



Fortinet Product Quick Guide

Feb, 2014

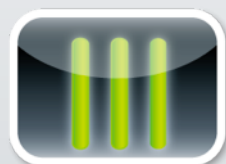


February 3, 2014

Content

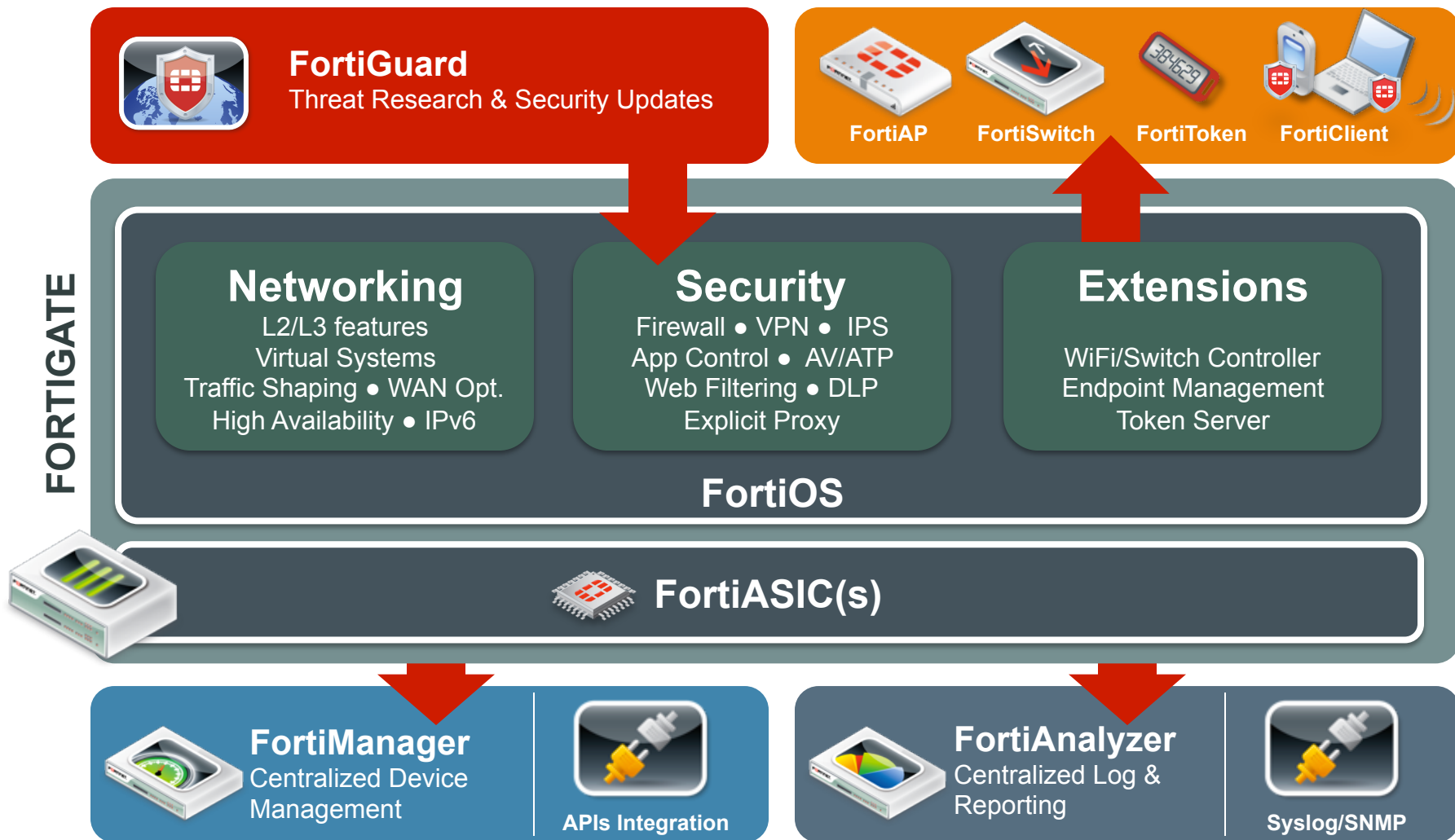


- FortiGate/FortiWiFi
- FortiAP
- FortiSwitch
- FortiClient
- FortiToken
- FortiAnalyzer
- FortiManager
- FortiSandbox
- FortiAuthenticator
- FortiDDoS
- FortiMail
- FortiWeb
- FortiSandbox
- FortiDB
- FortiBalancer/FortiADC/AscenLink
- FortiCache
- FortiDNS



FortiGate/FortiWiFi

FortiGate: Integrated Architecture



Anatomy of a FortiGate



Real Time Protection

Extensive Capabilities

Secured System

Flexible Platform

FortiCare

- Standard and extended hardware, software and support packages



8x5 Enhanced: 8x5 Support, Return and Replace, Firmware Upgrades

24x7 Comprehensive: 24x7 Support, Advanced Hardware Replacement (NBD), Firmware Upgrades

Fortinet Premium Services

- Enhanced SLAs and TAM

Fortinet Prof. and Consultation Services

- Design and Implementation

Certification & Customized Courses

- In-depth Training Sessions

World Class Support

Anatomy of a FortiGate

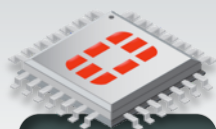
Real Time Protection

Extensive Capabilities

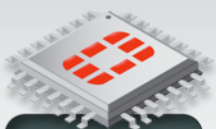
Secured System

FortiGate Hardware Appliance

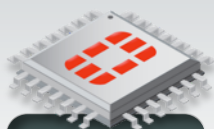
- Purposed built high performance systems
- Acceleration chips
- Wired and Wireless Connectivity



Content
Processor



Network
Processor



Security
Processor

FortiGate Virtual Appliance

- UTM solution for Cloud environment



Flexible Platform

World Class Support

Anatomy of a FortiGate

Real Time Protection

Extensive Capabilities

FortiOS Operating Systems

- Proprietary OS, eliminates vulnerabilities & issues associated with common OSes
- Harden and small footprint for security & efficiency
- Runs on flash, more reliable
- Nearly common feature set across all platform
- * Default with 10 VDOMs*

WebUI, CLI
Dashboard &
Statistics

SNMP
Monitoring

Syslogging

In-box
Reporting *

Email Alerts

Content
Archives

SFLOW



Secured System

Flexible Platform

World Class Support

* Available on selected models.

Anatomy of a FortiGate

Real Time Protection

Features & Capabilities

- Available by default, no requirement for hidden charges and software upgrades



Firewall



VPN



IPS



App. Ctrl



AntiVirus



Web Filter



AntiSpam



DLP



NAC



Vuln Mgmt



Traffic Shaping



WAN opt.

HA: A-A, A-P, Virtual cluster, weighted

IPv6 FW + UTM

Routing Protocols

Wireless Controller

Server LB

Extensive Capabilities

Secured System

Flexible Platform

World Class Support

Anatomy of a FortiGate



FortiGuard AntiVirus Service

FortiGuard NGFW Service

FortiGuard Web Filtering Service

FortiGuard Antispam Service

FortiGuard Subscription Services

- Deliver real-time Automated Updates
- Industry Leading Threat Response Time
- Comprehensive Threat Library
24x7x365 Operations
- Power by Fortinet in-house Global Threat Research Team

Real Time Protection








Extensive Capabilities

Secured System

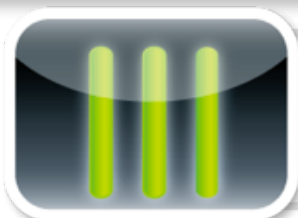
Flexible Platform

World Class Support

FortiGate Appliance by Segments

MSSP	✓	✓	✓	✓	✓	✓	✓
Carrier					✓	✓	✓
Data Center / Cloud				✓	✓	✓	✓
Enterprise	✓	(Branch)	(Branch)	(Branch)	(Campus)	(Campus)	✓
Distributed Enterprise	✓	✓	✓	✓	✓	✓	
SMB	✓	✓	✓	✓			
Model	 20-90 Series	 100 Series	 200 Series	 300-800 Series	 1000 Series	 3000 Series	 5000 Series
Product Range	Entry Level		Mid Range		High End		
*Key Hardware Features	PoE, Switch, WiFi	PoE, High Density GE		High Density GE	High Density GE, 10 GE	10 GE, 40 GE	Chassis & Blades

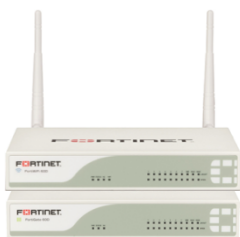
FortiGate Small Business Devices



Security Appliances For Small/Home Offices & Small Branch Offices



 **FG/FWF-30D Series**



 **FG/FWF-60D Series**



 **FG/FWF-90D Series**



 **FG-100D Series**

- High performance, feature-rich multi-threat security for Branch Offices, SoHo and telecommuters

Primary Benefits:

- ✓ High speed Firewall and IPSec VPN performance
- ✓ High Speed Application Control
- ✓ Accelerated IPS/AV performance
- ✓ On board storage for WAN Optimization, local reporting and archiving
- ✓ Integrated WiFi on certain models

FortiGate Small Business Devices: Comparison



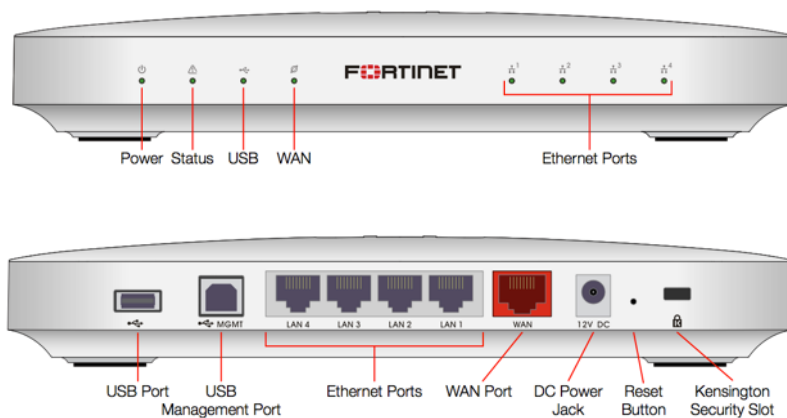
	FGT-30D	FGT-40C	FGT-60C	FGT-60D	FGT-90D	FGT-100D
Firewall (1518/512/64 byte UDP)	800 / 800 / 800 Mbps	200 / 200 / 200 Mbps	1 / 1 / 1 Gbps	1.5 / 1.5 / 1.5 Gbps	3.5 / 3.5 / 3.5 Gbps	2500 / 1000 / 200 Mbps
Concurrent Sessions	200,000	40,000	400,000	500,000	1.5 Mil	3 Mil
New Sessions/Sec	3,500	2,000	3,000	4,000	4,000	22,000
IPSec VPN	350 Mbps	60 Mbps	70 Mbps	1 Gbps	1 Gbps	450 Mbps
IPS (HTTP)	150 Mbps	135 Mbps	135 Mbps	200 Mbps	275 Mbps	950 Mbps
Antivirus (Proxy/ Flow)	30 / 40 Mbps	20 / 40 Mbps	20 / 40 Mbps	35 / 50 Mbps	35 / 65 Mbps	300 / 700 Mbps
Interfaces (LAN, WAN & DMZ)	5 x GE RJ45	7 x GE RJ45	8 x GE RJ45	10 x GE RJ45	16 x GE RJ45	20 x GE RJ45, 2 x GE SFP
Storage	-	-	-	-	32GB	32GB
Variants	WiFi, PoE	WiFi, LENC	WiFi, Ana. Modem, Wifi + Ana. Modem, LENC, SFP, POE, ADSL	WiFi, PoE	WiFi, PoE	LENC, high port density, T1 port, PoE

FortiGate Small Business Devices: Comparison



	FWF30D	FWF40C	FWF60C	FWF60D	FWF90D
Thick AP	✓	✓	✓	✓	✓
Wireless Controller	-	Yes	Yes	Yes	Yes
#of WiFi radios	1	1	1	1	1
Supported Std	a/b/g/n	a/b/g/n	a/b/g/n	a/b/g/n	a/b/g/n
802.11n	2x2 MIMO	2x2 MIMO	2x2 MIMO	2x2 MIMO	2x2 MIMO
Max wireless association rate total	300Mbps	300Mbps	300Mbps	300Mbps	300Mbps
SSID's (incl. reserved)	8	8	8	8	8
Max FortiAP (Total/ Local Bridge)	-	10 / 5	10 / 5	10 / 5	32 / 16

FortiGate-20C



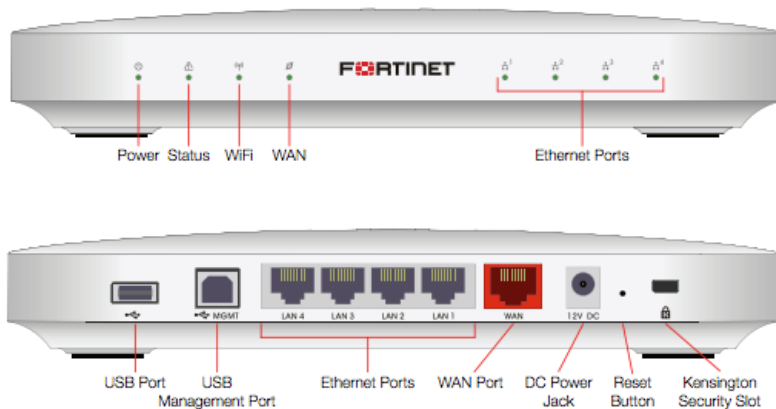
- 1x GE RJ45 WAN Ports
- 4x GE RJ45 Switch Ports



Hardware Performance

Firewall Throughput (1518/512/64)	20/20/20 Mbps	IPS Throughput	20 Mbps
Latency	6 μ s	Antivirus Throughput (Proxy Based / Flow Based)	12 / 20 Mbps
Concurrent Sessions	10,000	Virtual Domains (Default / Max)	NA
New Sessions/Sec	1,000	Max Number of FortiAPs (Total/Local bridge)	NA
Firewall Policies	5,000	Max Number of FortiTokens	20
IPSec VPN Throughput	20 Mbps	Client-to-Gateway IPSec VPN Tunnels	5
SSL-VPN Throughput	15 Mbps	Concurrent SSL-VPN Users (Recommended Max)	50

FortiWiFi-20C



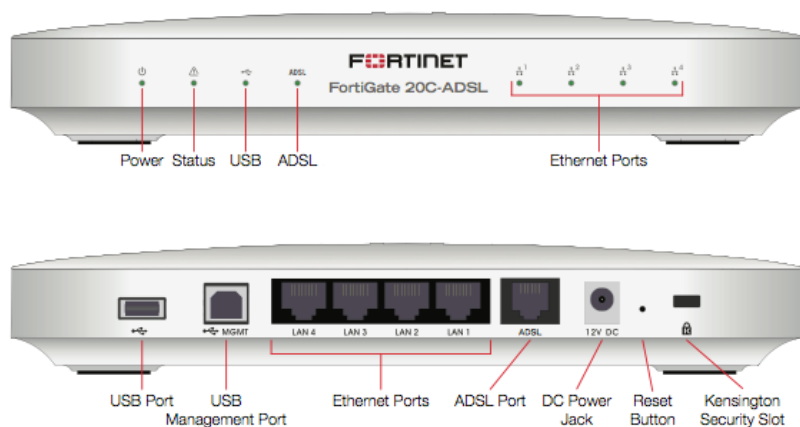
- 1x GE RJ45 WAN Ports
- 4x GE RJ45 Switch Ports



Hardware Performance

Firewall Throughput (1518/512/64)	20/20/20 Mbps	IPS Throughput	20 Mbps
Firewall Latency	6 μ s	Antivirus Throughput (Proxy Based / Flow Based)	12 / 20 Mbps
Concurrent Sessions	10,000	Virtual Domains (Default / Max)	NA
New Sessions/Sec	1,000	Max Number of FortiAPs (Total/Local bridge)	NA
Firewall Policies	5,000	Max Number of FortiTokens	20
IPSec VPN Throughput	20 Mbps	Client-to-Gateway IPSec VPN Tunnels	5
SSL-VPN Throughput	15 Mbps	Concurrent SSL-VPN Users (Recommended Max)	50

FortiGate-20C-ADSL



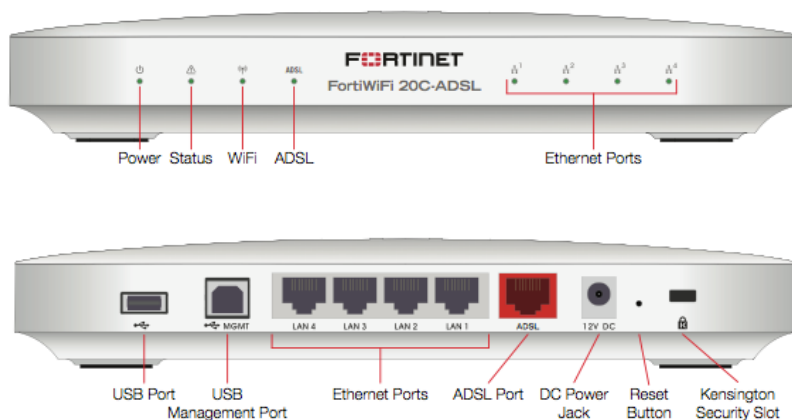
- 1x ADSL Ports
- 4x GE RJ45 Switch Ports



Hardware Performance

Firewall Throughput (1518/512/64)	20/20/20 Mbps	IPS Throughput	20 Mbps
Firewall Latency	6 μ s	Antivirus Throughput (Proxy Based / Flow Based)	12 / 20 Mbps
Concurrent Sessions	10,000	Virtual Domains (Default / Max)	NA
New Sessions/Sec	1,000	Max Number of FortiAPs (Total/Local bridge)	NA
Firewall Policies	5,000	Max Number of FortiTokens	20
IPSec VPN Throughput	20 Mbps	Client-to-Gateway IPSec VPN Tunnels	5
SSL-VPN Throughput	15 Mbps	Concurrent SSL-VPN Users (Recommended Max)	50

FortiWiFi-20C-ADSL



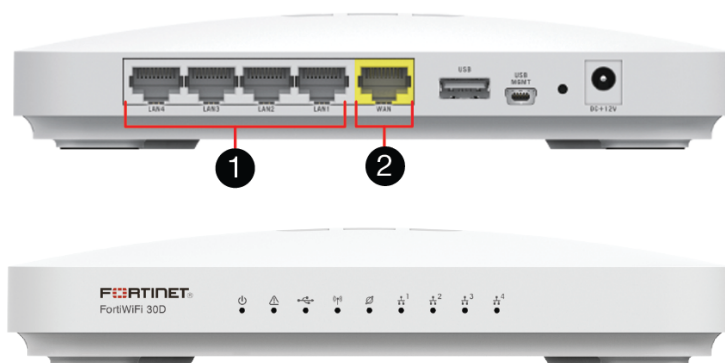
- 1x ADSL Ports
- 4x GE RJ45 Switch Ports



Hardware Performance

Firewall Throughput (1518/512/64)	20/20/20 Mbps	IPS Throughput	20 Mbps
Firewall Latency	6 μ s	Antivirus Throughput (Proxy Based / Flow Based)	12 / 20 Mbps
Concurrent Sessions	10,000	Virtual Domains (Default / Max)	NA
New Sessions/Sec	1,000	Max Number of FortiAPs (Total/Local bridge)	NA
Firewall Policies	5,000	Max Number of FortiTokens	20
IPSec VPN Throughput	20 Mbps	Client-to-Gateway IPSec VPN Tunnels	5
SSL-VPN Throughput	15 Mbps	Concurrent SSL-VPN Users (Recommended Max)	50

FortiGate/FortiWiFi-30D



FortiGate-30D

- 4x GE RJ45 Switch Ports
- 1x GE RJ45 WAN Ports

FortiWifi-30D

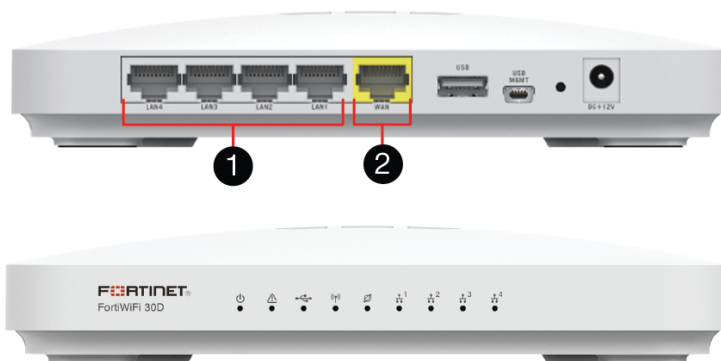
- 4x GE RJ45 Switch Ports
- 1x GE RJ45 WAN Ports
- WiFi: 802.11a/b/g/n



Hardware Performance

Firewall Throughput (1518/512/64)	800 / 800 / 800 Mbps	IPS Throughput	150 Mbps
Firewall Latency	8 μ s	Antivirus Throughput (Proxy Based / Flow Based)	30/40 Mbps
Concurrent Sessions	200 K	Virtual Domains (Default / Max)	-
New Sessions/Sec	3.5 K	Max Number of FortiAPs (Total/Local bridge)	-
Firewall Policies	200	Max Number of FortiTokens	20
IPSec VPN Throughput	20 Mbps	Client-to-Gateway IPSec VPN Tunnels	250
SSL-VPN Throughput	25 Mbps	Concurrent SSL-VPN Users (Recommended Max)	80

FortiGate/FortiWiFi-30D-POE



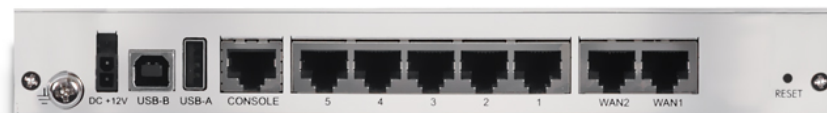
- 4x GE RJ45 Switch Ports (inc. 1x PoE)
- 1x GE RJ45 WAN Ports
- WiFi: 802.11a/b/g/n



Hardware Performance

Firewall Throughput (1518/512/64)	800 / 800 / 800 Mbps	IPS Throughput	150 Mbps
Firewall Latency	8 μ s	Antivirus Throughput (Proxy Based / Flow Based)	30/40 Mbps
Concurrent Sessions	200 K	Virtual Domains (Default / Max)	-
New Sessions/Sec	3.5 K	Max Number of FortiAPs (Total/Local bridge)	-
Firewall Policies	200	Max Number of FortiTokens	20
IPSec VPN Throughput	20 Mbps	Client-to-Gateway IPSec VPN Tunnels	250
SSL-VPN Throughput	25 Mbps	Concurrent SSL-VPN Users (Recommended Max)	80

FortiGate-40C



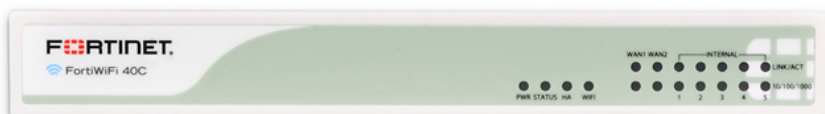
- 2x GE RJ45 WAN Ports
- 5x GE RJ45 Switch Ports



Hardware Performance

Firewall Throughput (1518/512/64)	200/200/200 Mbps	IPS Throughput	135 Mbps
Firewall Latency	3 μ s	Antivirus Throughput (Proxy Based / Flow Based)	20 / 40 Mbps
Concurrent Sessions	40,000	Virtual Domains (Default / Max)	NA
New Sessions/Sec	2,000	Max Number of FortiAPs (Total/Local bridge)	10 / 5
Firewall Policies	5,000	Max Number of FortiTokens	100
IPSec VPN Throughput	60 Mbps	Client-to-Gateway IPSec VPN Tunnels	250
SSL-VPN Throughput	17 Mbps	Concurrent SSL-VPN Users (Recommended Max)	80

FortiWiFi-40C



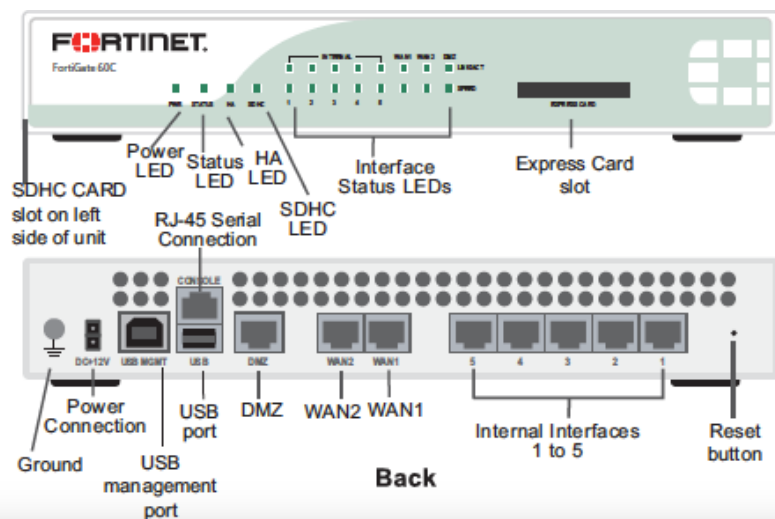
- 2x GE RJ45 WAN Ports
- 5x GE RJ45 Switch Ports



Hardware Performance

Firewall Throughput (1518/512/64)	200/200/200 Mbps	IPS Throughput	135 Mbps
Firewall Latency	3 μ s	Antivirus Throughput (Proxy Based / Flow Based)	20 / 40 Mbps
Concurrent Sessions	40,000	Virtual Domains (Default / Max)	NA
New Sessions/Sec	2,000	Max Number of FortiAPs (Total/Local bridge)	10 / 5
Firewall Policies	5,000	Max Number of FortiTokens	100
IPSec VPN Throughput	60 Mbps	Client-to-Gateway IPSec VPN Tunnels	250
SSL-VPN Throughput	17 Mbps	Concurrent SSL-VPN Users (Recommended Max)	80

FortiGate-60C



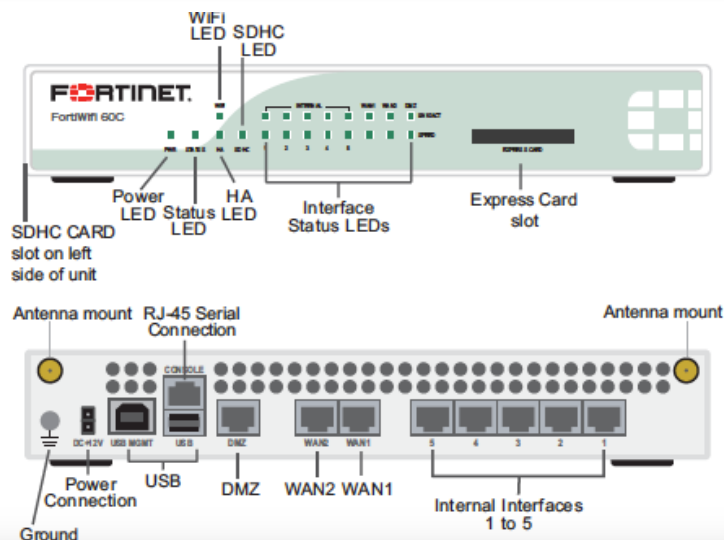
- 2x GE RJ45 WAN Ports
- 1x GE RJ45 DMZ Interface Port
- 5x GE RJ45 Configurable Ports
- ExpressCard Slot



Hardware Performance

Firewall Throughput (1518/512/64)	1 / 1 / 1 Gbps	IPS Throughput	135 Mbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	20 / 40 Mbps
Concurrent Sessions	400,000	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	3,000	Max Number of FortiAPs (Total/Local bridge)	10 / 5
Firewall Policies	5,000	Max Number of FortiTokens	100
IPSec VPN Throughput	70 Mbps	Client-to-Gateway IPSec VPN Tunnels	500
SSL-VPN Throughput	19 Mbps	Concurrent SSL-VPN Users (Recommended Max)	100

FortiWifi-60C



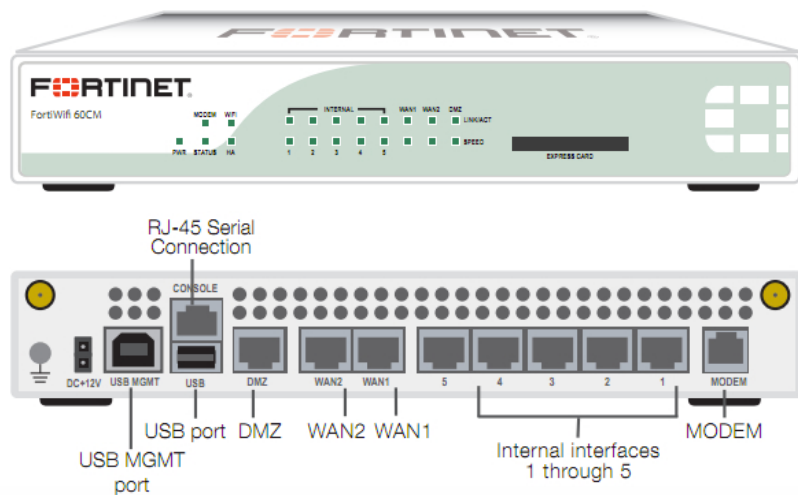
- 2x GE RJ45 WAN Ports
- 1x GE RJ45 DMZ Interface Port
- 5x GE RJ45 Configurable Ports
- ExpressCard Slot



Hardware Performance

Firewall Throughput (1518/512/64)	1 / 1 / 1 Gbps	IPS Throughput	135 Mbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	20 / 40 Mbps
Concurrent Sessions	400,000	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	3,000	Max Number of FortiAPs (Total/Local bridge)	10 / 5
Firewall Policies	5,000	Max Number of FortiTokens	100
IPSec VPN Throughput	70 Mbps	Client-to-Gateway IPSec VPN Tunnels	500
SSL-VPN Throughput	19 Mbps	Concurrent SSL-VPN Users (Recommended Max)	100

FortiWifi-60CM



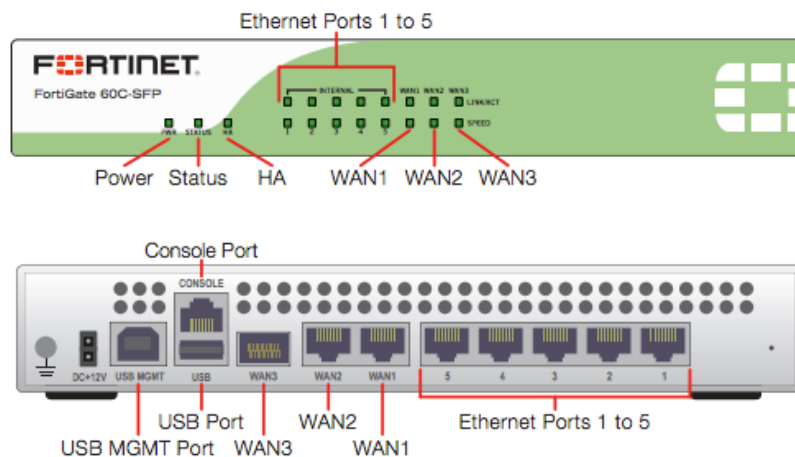
- 2x GE RJ45 WAN Ports
- 1x GE RJ45 DMZ Interface Port
- 5x GE RJ45 Configurable Ports
- ExpressCard Slot



Hardware Performance

Firewall Throughput (1518/512/64)	1 / 1 / 1 Gbps	IPS Throughput	135 Mbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	20 / 40 Mbps
Concurrent Sessions	400,000	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	3,000	Max Number of FortiAPs (Total/Local bridge)	10 / 5
Firewall Policies	5,000	Max Number of FortiTokens	100
IPSec VPN Throughput	70 Mbps	Client-to-Gateway IPSec VPN Tunnels	500
SSL-VPN Throughput	19 Mbps	Concurrent SSL-VPN Users (Recommended Max)	100

FortiGate-60C-SFP



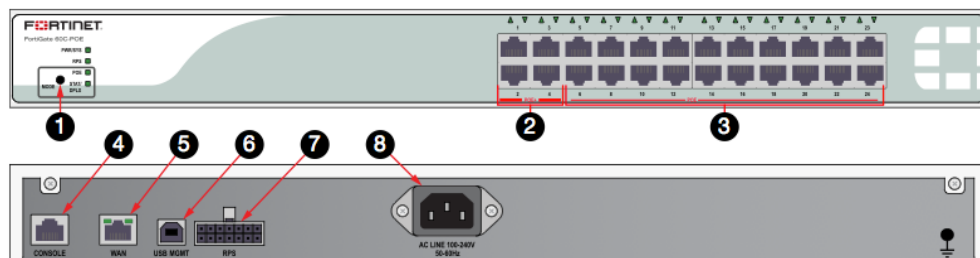
- 1x SFP WAN Slot
- 2x GE RJ45 WAN Ports
- 5x GE RJ45 Configurable Ports



Hardware Performance

Firewall Throughput (1518/512/64)	1 / 1 / 1 Gbps	IPS Throughput	135 Mbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	20 / 40 Mbps
Concurrent Sessions	400,000	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	3,000	Max Number of FortiAPs (Total/Local bridge)	10 / 5
Firewall Policies	5,000	Max Number of FortiTokens	100
IPSec VPN Throughput	70 Mbps	Client-to-Gateway IPSec VPN Tunnels	500
SSL-VPN Throughput	19 Mbps	Concurrent SSL-VPN Users (Recommended Max)	100

FortiGate-60C-POE



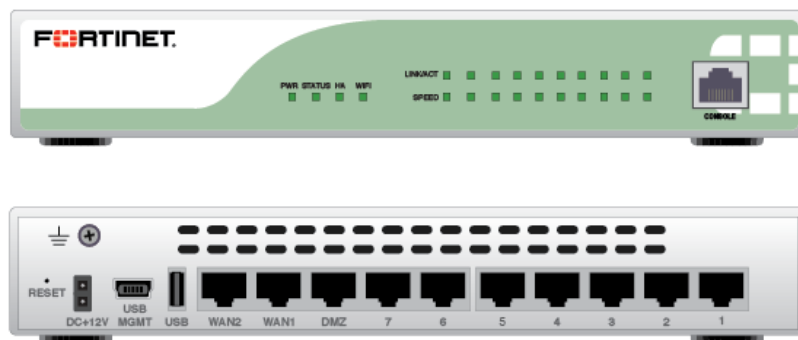
- 2 4x GE POE+ Ports
- 3 20 x GE POE Ports
- 5 1x GE Management Port



Hardware Performance

Firewall Throughput (1518/512/64)	1 / 1 / 1 Gbps	IPS Throughput	135 Mbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	20 / 40 Mbps
Concurrent Sessions	400,000	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	3,000	Max Number of FortiAPs (Total/Local bridge)	10 / 5
Firewall Policies	5,000	Max Number of FortiTokens	100
IPSec VPN Throughput	70 Mbps	Client-to-Gateway IPSec VPN Tunnels	500
SSL-VPN Throughput	19 Mbps	Concurrent SSL-VPN Users (Recommended Max)	100

FortiGate/FortiWiFi-60D



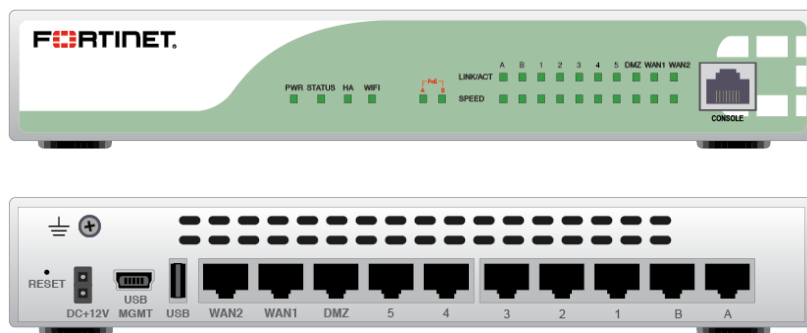
- 2x GE WAN Ports
- 1x GE DMZ Ports
- 7x GE Ethernet Ports
- WiFi: 802.11a/b/g/n



Hardware Performance

Firewall Throughput (1518/512/64)	1.5 / 1.5 / 1.5 Gbps	IPS Throughput	200 Mbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	35 / 50 Mbps
Concurrent Sessions	500,000	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	4,000	Max Number of FortiAPs (Total/Local bridge)	10 / 5
Firewall Policies	5,000	Max Number of FortiTokens	100
IPSec VPN Throughput	1 Gbps	Client-to-Gateway IPSec VPN Tunnels	500
SSL-VPN Throughput	30 Mbps	Concurrent SSL-VPN Users (Recommended Max)	100

FortiGate/FortiWiFi-60D-POE



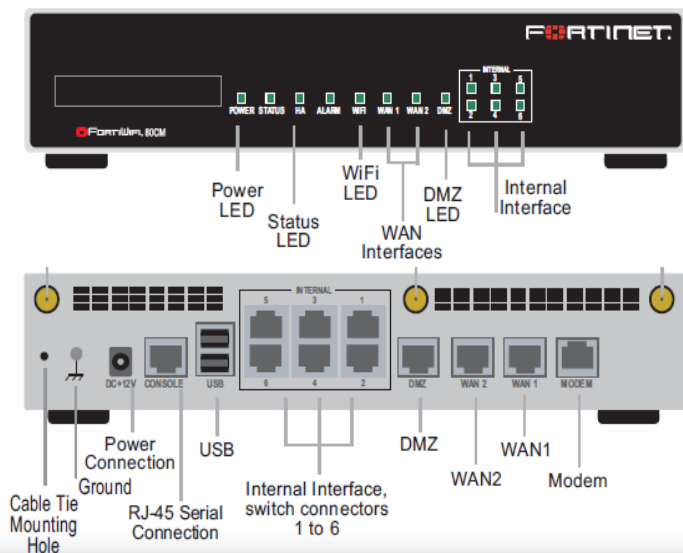
- 2x GE WAN Ports
- 1x GE DMZ Ports
- 7x GE Switched Ports (inc. 2x PoE)



Hardware Performance

Firewall Throughput (1518/512/64)	1.5 / 1.5 / 1.5 Gbps	IPS Throughput	200 Mbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	35 / 50 Mbps
Concurrent Sessions	500,000	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	4,000	Max Number of FortiAPs (Total/Local bridge)	10 / 5
Firewall Policies	5,000	Max Number of FortiTokens	100
IPSec VPN Throughput	1 Gbps	Client-to-Gateway IPSec VPN Tunnels	500
SSL-VPN Throughput	30 Mbps	Concurrent SSL-VPN Users (Recommended Max)	100

FortiWiFi-80CM



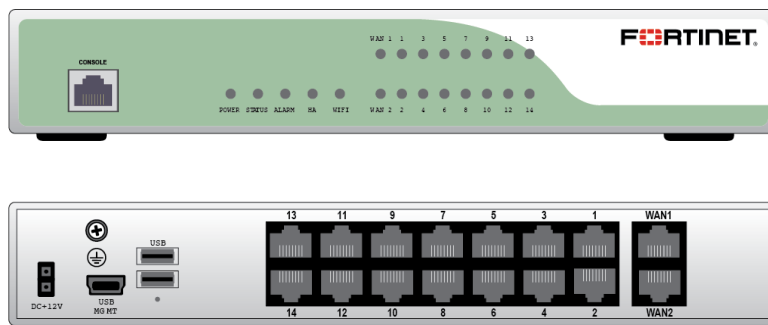
- 2x GE RJ45 WAN Ports
- 1x FE DMZ Interface Port
- 6x FE Configurable Ports
- ExpressCard slot



Hardware Performance

Firewall Throughput (1518/512/64)	1900/700/120 Mbps	IPS Throughput	350 Mbps
Firewall Latency	45 μ s	Antivirus Throughput (Proxy Based / Flow Based)	50/190 Mbps
Concurrent Sessions	1 Mil	Virtual Domains (Default / Max)	10/10
New Sessions/Sec	12 K	Max Number of FortiAPs (Total/Local bridge)	32 / 16
Firewall Policies	5,000	Max Number of FortiTokens	100
IPSec VPN Throughput	140 Mbps	Client-to-Gateway IPSec VPN Tunnels	1,000
SSL-VPN Throughput	70 Mbps	Concurrent SSL-VPN Users (Recommended Max)	100

FortiGate/FortiWiFi-90D



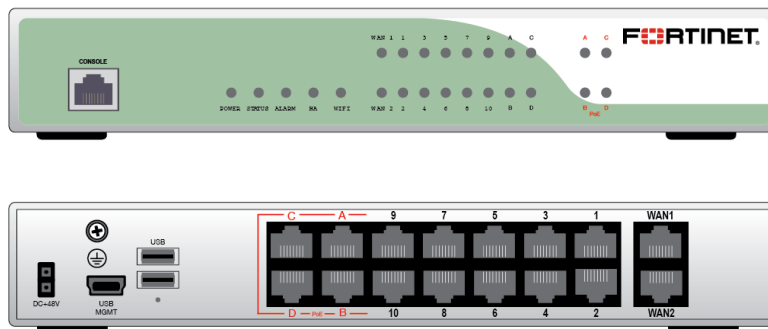
- 2x GE RJ45 WAN Ports
- 14x GE RJ45 Switch Ports
- WiFi: 802.11a/b/g/n



Hardware Performance

Firewall Throughput (1518/512/64)	3.5/3.5/3.5 Gbps	IPS Throughput	275 Mbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	35/65 Mbps
Concurrent Sessions	1.5 Mil	Virtual Domains (Default / Max)	10/10
New Sessions/Sec	4 K	Max Number of FortiAPs (Total/Local bridge)	32 / 16
Firewall Policies	5,000	Max Number of FortiTokens	100
IPSec VPN Throughput	1 Gbps	Client-to-Gateway IPSec VPN Tunnels	1,000
SSL-VPN Throughput	35 Mbps	Concurrent SSL-VPN Users (Recommended Max)	200

FortiGate/FortiWiFi-90D-POE



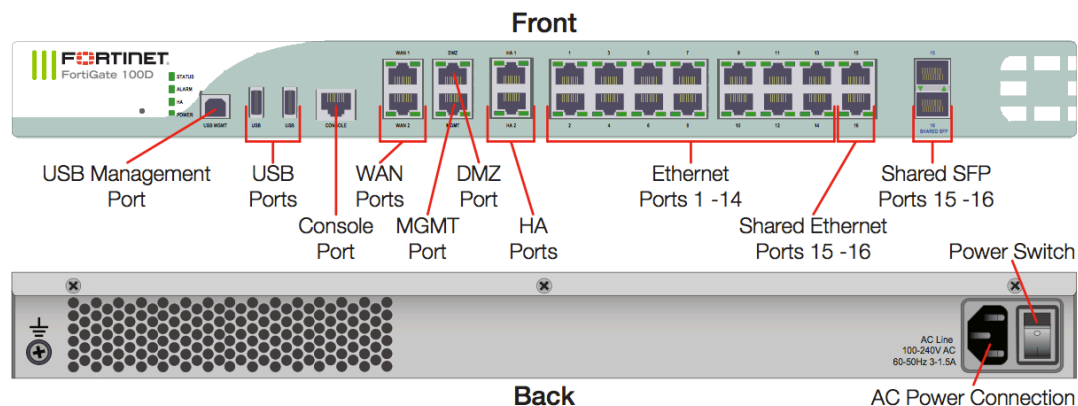
- 2x GE RJ45 WAN Ports
- 14x GE RJ45 Switch Ports (inc. 4x PoE)
- WiFi: 802.11a/b/g/n



Hardware Performance

Firewall Throughput (1518/512/64)	3.5/3.5/3.5 Gbps	IPS Throughput	275 Mbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	35/65 Mbps
Concurrent Sessions	1.5 Mil	Virtual Domains (Default / Max)	10/10
New Sessions/Sec	4 K	Max Number of FortiAPs (Total/Local bridge)	32 / 16
Firewall Policies	5,000	Max Number of FortiTokens	100
IPSec VPN Throughput	1 Gbps	Client-to-Gateway IPSec VPN Tunnels	1,000
SSL-VPN Throughput	35 Mbps	Concurrent SSL-VPN Users (Recommended Max)	200

FortiGate-100D



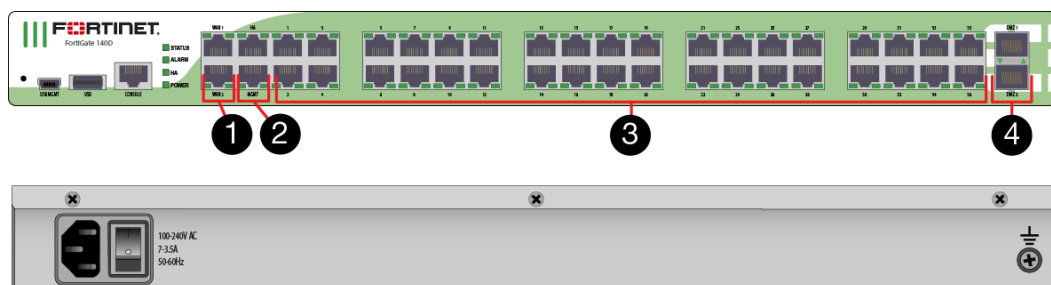
- 2x GE RJ45 WAN Ports
- 1x GE RJ45 DMZ Interface Port
- 1x GE RJ45 Mgmt Interface Port
- 2x GE RJ45 HA Interface Port
- 14x GE RJ45 Switch Ports
- 2x Shared Media interfaces pairs



Hardware Performance

Firewall Throughput (1518/512/64)	2500 / 1000 / 200 Mbps	IPS Throughput	950 Mbps
Firewall Latency	37 μ s	Antivirus Throughput (Proxy Based / Flow Based)	300 / 700 Mbps
Concurrent Sessions	3 Mil	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	22,000	Max Number of FortiAPs (Total/Local bridge)	64 / 32
Firewall Policies	10,000	Max Number of FortiTokens	1,000
IPSec VPN Throughput	450 Mbps	Client-to-Gateway IPSec VPN Tunnels	5,000
SSL-VPN Throughput	300 Mbps	Concurrent SSL-VPN Users (Recommended Max)	300

FortiGate-140D



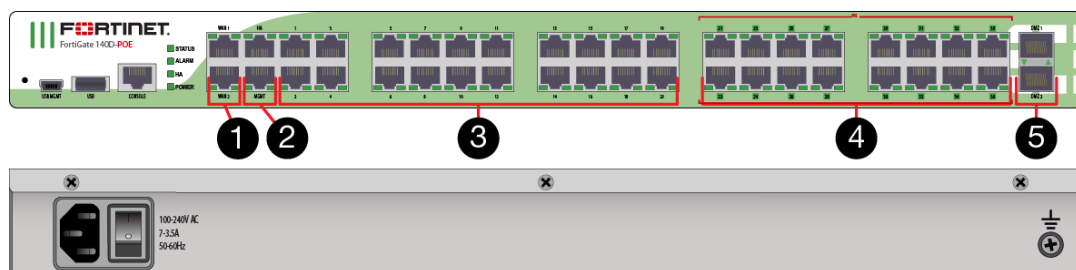
- 2x GE RJ45 WAN Ports
- 2x GE RJ45 Mgmt/HA Interface Ports
- 36x GE RJ45 Switch Ports
- 2x GE SFP DMZ Interface Ports



Hardware Performance

Firewall Throughput (1518/512/64)	2500 / 1000 / 200 Mbps	IPS Throughput	950 Mbps
Firewall Latency	37 μ s	Antivirus Throughput (Proxy Based / Flow Based)	300 / 700 Mbps
Concurrent Sessions	3 Mil	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	22,000	Max Number of FortiAPs (Total/Local bridge)	64 / 32
Firewall Policies	10,000	Max Number of FortiTokens	1,000
IPSec VPN Throughput	450 Mbps	Client-to-Gateway IPSec VPN Tunnels	5,000
SSL-VPN Throughput	300 Mbps	Concurrent SSL-VPN Users (Recommended Max)	300

FortiGate-140D-POE



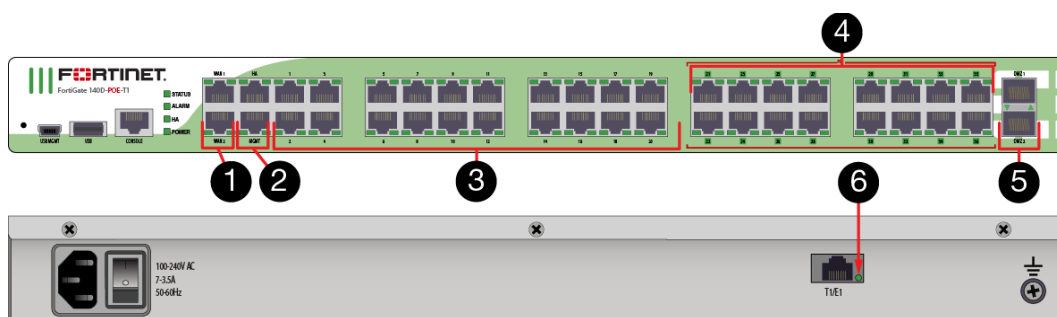
- 2x GE RJ45 WAN Ports
- 2x GE RJ45 Mgmt/HA Interface Ports
- 20x GE RJ45 Switch Ports
- 16x GE RJ45 PoE Ports
- 2x GE SFP DMZ Interface Ports



Hardware Performance

Firewall Throughput (1518/512/64)	2500 / 1000 / 200 Mbps	IPS Throughput	950 Mbps
Firewall Latency	37 μ s	Antivirus Throughput (Proxy Based / Flow Based)	300 / 700 Mbps
Concurrent Sessions	3 Mil	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	22,000	Max Number of FortiAPs (Total/Local bridge)	64 / 32
Firewall Policies	10,000	Max Number of FortiTokens	1,000
IPSec VPN Throughput	450 Mbps	Client-to-Gateway IPSec VPN Tunnels	5,000
SSL-VPN Throughput	300 Mbps	Concurrent SSL-VPN Users (Recommended Max)	300

FortiGate-140D-POE-T1



- 2x GE RJ45 WAN Ports
- 2x GE RJ45 Mgmt/HA Interface Ports
- 20x GE RJ45 Switch Ports
- 16 GE RJ45 PoE Ports
- 2x GE SFP DMZ Interface Ports
- 1x T1 Interface



Hardware Performance

Firewall Throughput (1518/512/64)	2500 / 1000 / 200 Mbps	IPS Throughput	950 Mbps
Firewall Latency	37 μ s	Antivirus Throughput (Proxy Based / Flow Based)	300 / 700 Mbps
Concurrent Sessions	3 Mil	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	22,000	Max Number of FortiAPs (Total/Local bridge)	64 / 32
Firewall Policies	10,000	Max Number of FortiTokens	1,000
IPSec VPN Throughput	450 Mbps	Client-to-Gateway IPSec VPN Tunnels	5,000
SSL-VPN Throughput	300 Mbps	Concurrent SSL-VPN Users (Recommended Max)	300

FortiGate-Rugged-100C



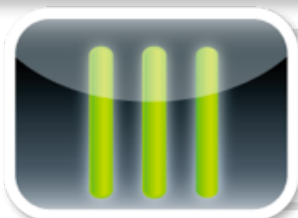
- 2x GE RJ45 Interfaces
- 4x FE Copper Interfaces
- 4x 100Base-FX Interface (SC)

=2U

Hardware Performance

Firewall Throughput (1518/512/64)	2000 / 1000 / 180 Mbps	IPS Throughput	950 Mbps
Firewall Latency	34 μ s	Antivirus Throughput (Proxy Based / Flow Based)	300 / 700 Mbps
Concurrent Sessions	2.5 Mil	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	22,000	Max Number of FortiAPs (Total/Local bridge)	64 / 32
Firewall Policies	10,000	Max Number of FortiTokens	1,000
IPSec VPN Throughput	60 Mbps	Client-to-Gateway IPSec VPN Tunnels	5,000
SSL-VPN Throughput	100 Mbps	Concurrent SSL-VPN Users (Recommended Max)	200

FortiGate Mid-Range Devices



Mid-Range Security Appliances For Mid-Size Organizations & Large Enterprise Branch Offices

 FGT-1500D

 FGT-1240B

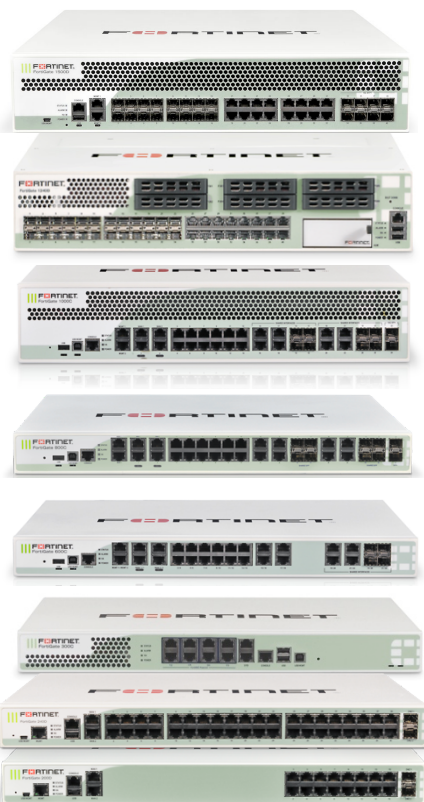
 FGT-1000C

 FGT-800C

 FGT-600C

 FGT-300C

 FGT-200D
Series



- High performance multi-threat security for medium-sized enterprises and branch offices of large enterprises.
- Higher price/performance ratio and more interfaces than any products in their class

Primary Benefits:

- ✓ High speed Firewall and IPSec VPN performance
- ✓ High Speed Application Control
- ✓ Accelerated IPS/AV performance
- ✓ On board storage for WAN Optimization, local reporting and archiving*

*FGT-200B requires optional HDD

FortiGate Mid Range Devices: Comparison



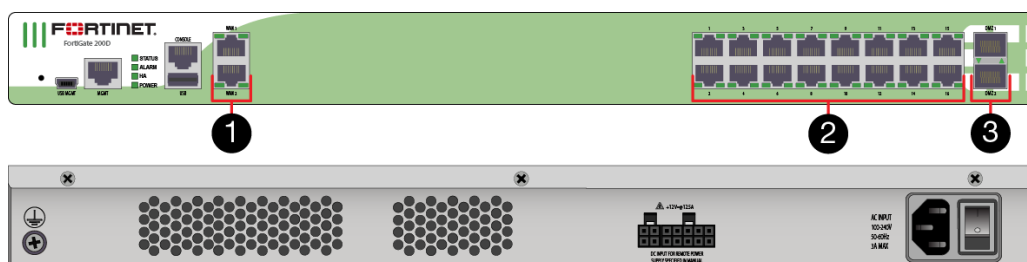
	FGT-200D	FGT-240D	FGT-280D-POE	FGT-300C	FG-600C	FG-800C
Firewall (1518/512/64 byte UDP)	3 / 3 / 3 Gbps	4 / 4 / 4 Gbps	4 / 4 / 4 Gbps	8 / 8 / 8 Gbps	16 / 16 / 16 Gbps	20 / 20 / 20 Gbps
Concurrent Sessions	1.4 Mil	3.2 Mil	3.2 Mil	2 Mil	3 Mil	7 Mil
New Sessions/Sec	77,000	77,000	77,000	50,000	70,000	190,000
IPSec VPN	1.3 Gbps	1.3 Gbps	1.3 Gbps	4.5 Gbps	8 Gbps	8 Gbps
IPS (HTTP)	1.7 Mbps	2.1 Gbps	2.1 Gbps	1.4 Gbps	3 Gbps	6 Gbps
Antivirus (Proxy/Flow)	600 / 1,100 Mbps	600 / 1,100 Mbps	600 / 1,100 Mbps	200 / 550 Mbps	1.3 / 1.7 Gbps	1.7 / 2.1 Gbps
Interfaces (LAN, WAN & DMZ)	18 x GE RJ45, 2 x GE SFP	42 x GE RJ45, 2 x GE SFP	86 x GE RJ45, 4 x GE SFP	10 x GE RJ45	18x GE RJ45, 4 x Shared port pairs, 2 x bypass Pairs	2 x 10GE SFP +, 14 x GE RJ45, 8 x Shared port pairs, 2 x bypass Pairs
Storage	16 GB	32 GB	64 GB	16 GB	64 GB	64 GB
Variants	-	-	-	LENC	DC, LENC	-

FortiGate Mid Range Devices: Comparison



	FG-1000C	FG-1240B	FG-1500D
Firewall (1518/512/64 byte UDP)	20 / 20 / 20 Gbps	40-44 / 40-44 / 38-42 Gbps	80 / 80 / 55 Gbps
Concurrent Sessions	7 Mil	5 Mil	12 Mil
New Sessions/Sec	190,000	120,000	250,000
IPSec VPN	8 Gbps	16-18.5 Gbps	50 Gbps
IPS (HTTP)	6 Gbps	5-8 Gbps	11 Gbps
Antivirus (Proxy/Flow)	1.7 / 2.1 Gbps	1.2 / 1.6 Gbps	4.3 / 13 Gbps
Interfaces (LAN, WAN & DMZ)	2 x 10GE SFP+, 14 x GE RJ45, 8 x Shared port pairs, 2 x bypass Pairs	16 x GE RJ45, 24 x GE SFP	8x 10GE SPF+, 16x GE SFP, 18x GE RJ45
Storage	128 GB	64 GB, 384 GB opt.	240 GB
Variants	DC	DC	-

FortiGate-200D



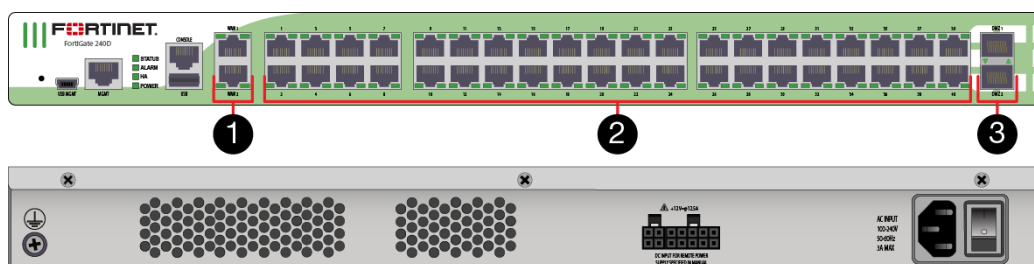
- 2x GE RJ45 WAN Ports
- 16x GE RJ45 Switch Ports
- 2x GE SFP Slots



Hardware Performance

Firewall Throughput (1518/512/64)	3 / 3 / 3 Gbps	IPS Throughput	1.7 Gbps
Firewall Latency	2 μ s	Antivirus Throughput (Proxy Based / Flow Based)	600/1100 Mbps
Concurrent Sessions	1.4 K	Virtual Domains (Default / Max)	10/10
New Sessions/Sec	77 K	Max Number of FortiAPs (Total/Local bridge)	64 / 32
Firewall Policies	10,000	Max Number of FortiTokens	1,000
IPSec VPN Throughput	1.3 Gbps	Client-to-Gateway IPSec VPN Tunnels	5,000
SSL-VPN Throughput	400 Mbps	Concurrent SSL-VPN Users (Recommended Max)	300

FortiGate-240D



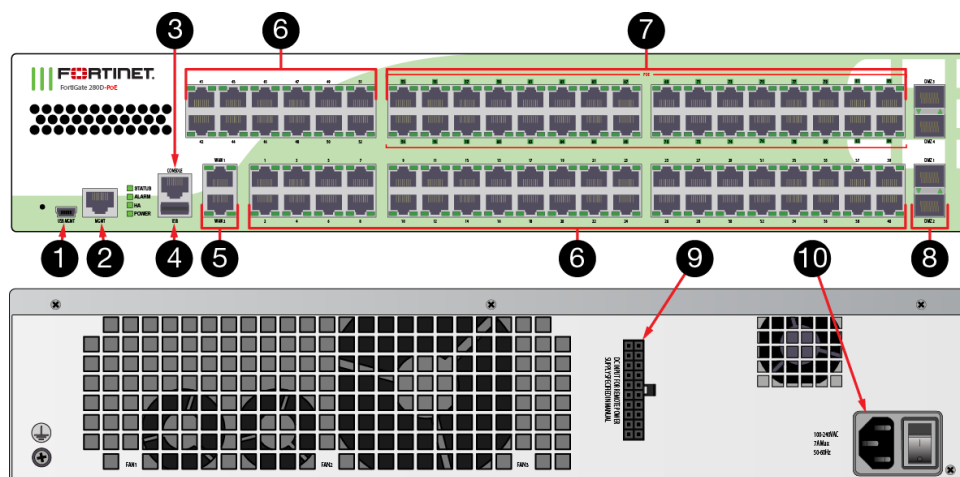
- 2x GE RJ45 WAN Ports
- 40x GE RJ45 Switch Ports
- 2x GE SFP Slots



Hardware Performance

Firewall Throughput (1518/512/64)	4 / 4 / 4 Gbps	IPS Throughput	2.1 Gbps
Firewall Latency	6 μ s	Antivirus Throughput (Proxy Based / Flow Based)	600/1100 Mbps
Concurrent Sessions	3.2 K	Virtual Domains (Default / Max)	10/10
New Sessions/Sec	77 K	Max Number of FortiAPs (Total/Local bridge)	64 / 32
Firewall Policies	10,000	Max Number of FortiTokens	1,000
IPSec VPN Throughput	1.3 Gbps	Client-to-Gateway IPSec VPN Tunnels	5,000
SSL-VPN Throughput	400 Mbps	Concurrent SSL-VPN Users (Recommended Max)	300

FortiGate-280D-POE



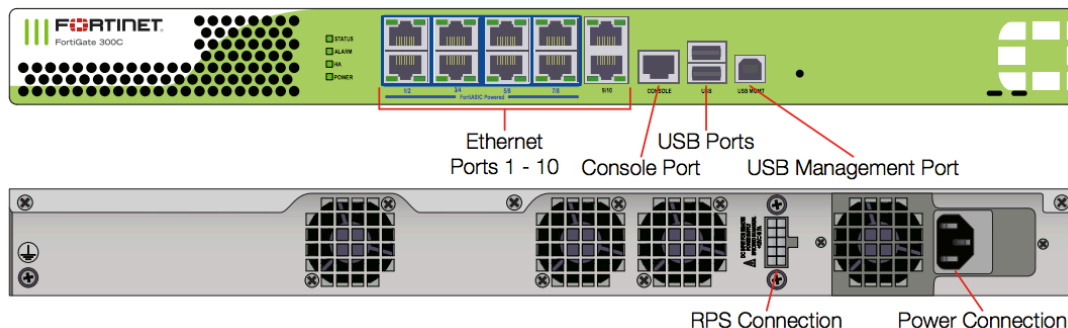
- 2 x GE RJ45 WAN Interfaces
- 52 x GE RJ45 LAN Interfaces
- 32 x GE RJ45 PoE LAN Interfaces
- 4 x GE SFP DMZ Interfaces



Hardware Performance

Firewall Throughput (1518/512/64)	4 / 4 / 4 Gbps	IPS Throughput	2.1 Gbps
Firewall Latency	2 μ s	Antivirus Throughput (Proxy Based / Flow Based)	600/1100 Mbps
Concurrent Sessions	3.2 K	Virtual Domains (Default / Max)	10/10
New Sessions/Sec	77 K	Max Number of FortiAPs (Total/Local bridge)	64 / 32
Firewall Policies	10,000	Max Number of FortiTokens	1,000
IPSec VPN Throughput	1.3 Gbps	Client-to-Gateway IPSec VPN Tunnels	5,000
SSL-VPN Throughput	400 Mbps	Concurrent SSL-VPN Users (Recommended Max)	300

FortiGate-300C



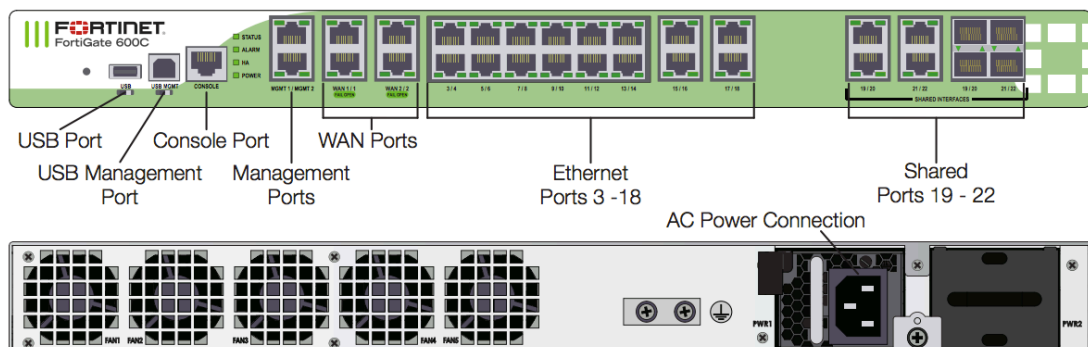
- 8x GE RJ45 NP2 accelerated Ports
- 2x GE RJ45 Ports
- Redundant DC Power connector



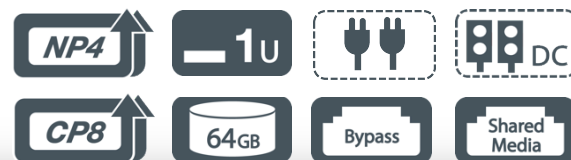
Hardware Performance

Firewall Throughput (1518/512/64)	8/8/8 Gbps	IPS Throughput	1.4 Gbps
Firewall Latency	2 μ s	Antivirus Throughput (Proxy Based / Flow Based)	200 / 550 Mbps
Concurrent Sessions	2 Mil	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	50,000	Max Number of FortiAPs (Total/Local bridge)	512 / 256
Firewall Policies (System/VDOM)	10,000	Max Number of FortiTokens	1,000
IPSec VPN Throughput	4.5 Gbps	Client-to-Gateway IPSec VPN Tunnels	10,000
SSL-VPN Throughput	200 Mbps	Concurrent SSL-VPN Users (Recommended Max)	500

FortiGate-600C



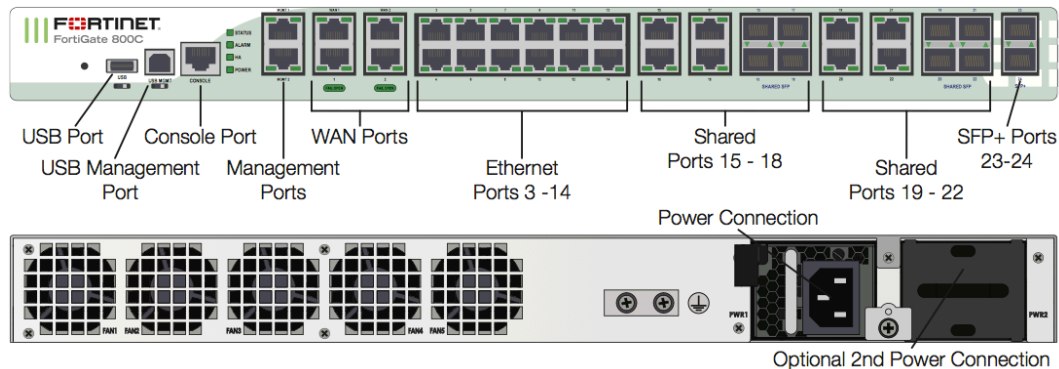
- 16x GE RJ45 NP4 accelerated Ports
- 2x GE RJ45 Ports
- 4x Shared Media interfaces pairs
- 2x Bypass Interfaces pairs



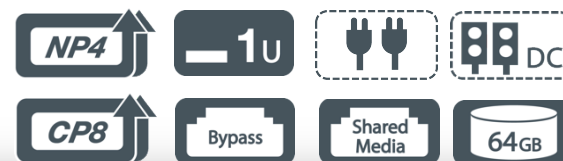
Hardware Performance

Firewall Throughput (1518/512/64)	16/16/16 Gbps	IPS Throughput	4 Gbps
Firewall Latency	7 μ s	Antivirus Throughput (Proxy Based / Flow Based)	1.3G / 2.8 G Mbps
Concurrent Sessions	3 Mil	Virtual Domains (Default / Max)	10/10
New Sessions/Sec	70,000	Max Number of FortiAPs (Total/Local bridge)	1024 / 512
Firewall Policies	10,000	Max Number of FortiTokens	1,000
IPSec VPN Throughput	8 Gbps	Client-to-Gateway IPSec VPN Tunnels	50,000
SSL-VPN Throughput	1 Gbps	Concurrent SSL-VPN Users (Recommended Max)	5,000

FortiGate-800C



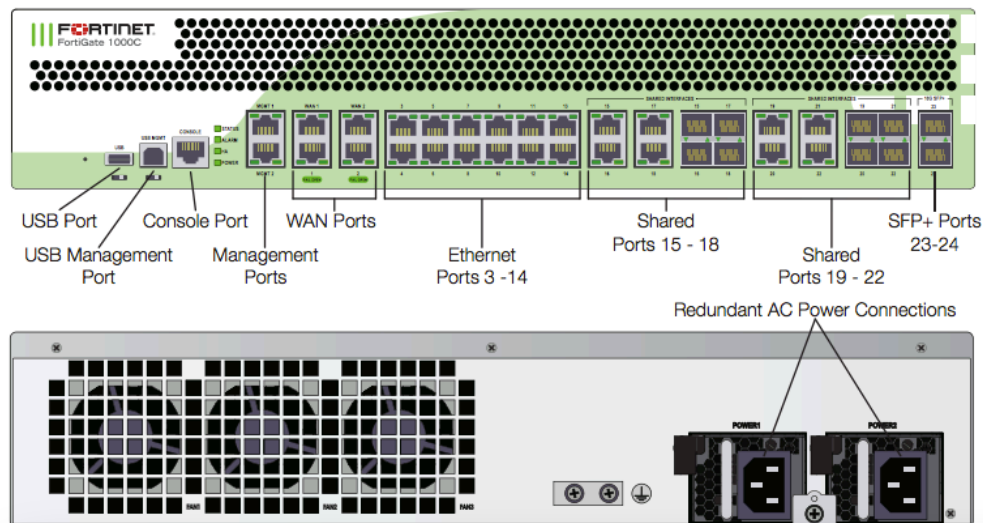
- 12x GE RJ45 NP4 accelerated Ports
- 2x 10GE SFP+ slots
- 2x GE RJ45 Ports
- 8x Shared Media interface pairs
- 2x Bypass Interfaces pairs



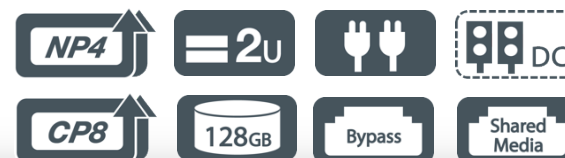
Hardware Performance

Firewall Throughput (1518/512/64)	20/20/20 Gbps	IPS Throughput	6 Gbps
Firewall Latency	6 μ s	Antivirus Throughput (Proxy Based / Flow Based)	1.7/3.1 Gbps
Concurrent Sessions	7 Mil	Virtual Domains (Default / Max)	10/10
New Sessions/Sec	190,000	Max Number of FortiAPs (Total/Local bridge)	1024 / 512
Firewall Policies	10,000	Max Number of FortiTokens	1,000
IPSec VPN Throughput	8 Gbps	Client-to-Gateway IPSec VPN Tunnels	50,000
SSL-VPN Throughput	1.3 Gbps	Concurrent SSL-VPN Users (Recommended Max)	10,000

FortiGate-1000C



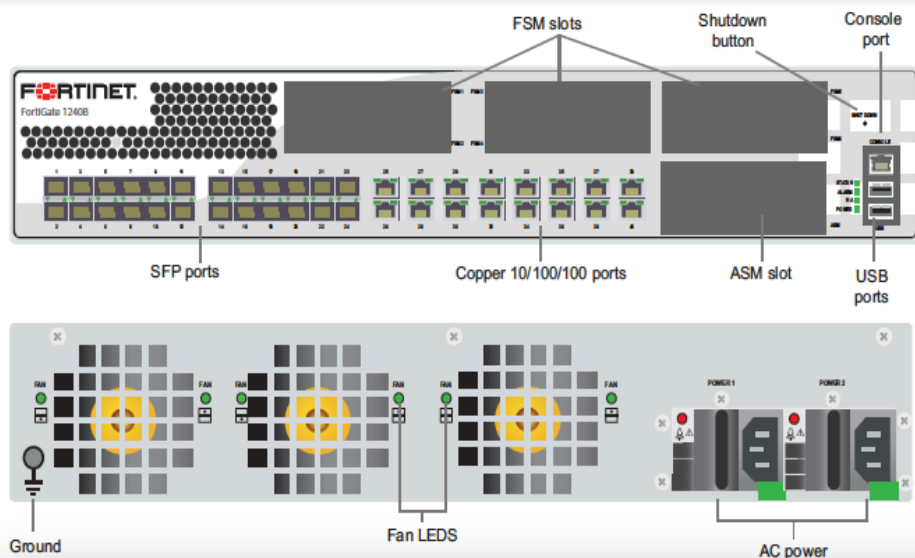
- 12x GE RJ45 NP4 accelerated Ports
- 2x 10GE SFP+ slots
- 2x GE RJ45 Ports
- 8x Shared Media interfaces pairs
- 2x Bypass Interfaces pairs



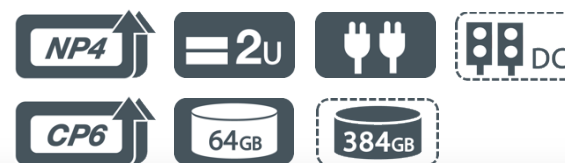
Hardware Performance

Firewall Throughput (1518/512/64)	20/20/20 Gbps	IPS Throughput	6 Gbps
Firewall Latency	6 μ s	Antivirus Throughput (Proxy Based / Flow Based)	1.7/3.1 Gbps
Concurrent Sessions	7 Mil	Virtual Domains (Default / Max)	10/250
New Sessions/Sec	190,000	Max Number of FortiAPs (Total/Local bridge)	4096 / 1024
Firewall Policies	100,000	Max Number of FortiTokens	5,000
IPSec VPN Throughput	8 Gbps	Client-to-Gateway IPSec VPN Tunnels	50,000
SSL-VPN Throughput	1.3 Gbps	Concurrent SSL-VPN Users (Recommended Max)	10,000

FortiGate-1240B



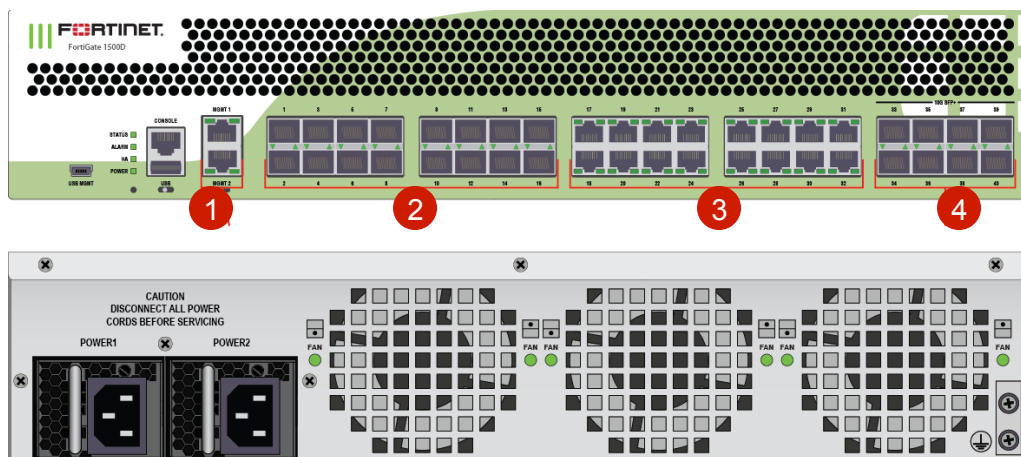
- 24x GE Accelerated SFP Slots
- 14x GE RJ45 NP4 accelerated Ports
- 2x GE RJ45 Ports
- 1x Single-Width AMC Slot



Hardware Performance

Firewall Throughput (1518/512/64)	40/40/38 – 44/44/42 Gbps	IPS Throughput	5-8 Gbps
Firewall Latency	7 μ s	Antivirus Throughput (Proxy Based / Flow Based)	1.2/1.6 Gbps
Concurrent Sessions	5 Mil	Virtual Domains (Default / Max)	10/250
New Sessions/Sec	120,000	Max Number of FortiAPs (Total/Local bridge)	4096 / 1024
Firewall Policies	100,000	Max Number of FortiTokens	5,000
IPSec VPN Throughput	16-18.5 Gbps	Client-to-Gateway IPSec VPN Tunnels	50,000
SSL-VPN Throughput	370 Mbps	Concurrent SSL-VPN Users (Recommended Max)	1,500

FortiGate-1500D NEW



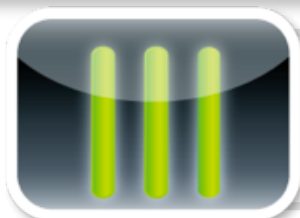
- 1 2x GE RJ45 Management Ports
- 2 16x GE SFP Slots
- 3 16x GE RJ45 Ports
- 4 8x 10GE SPF+ Slots



Hardware Performance

Firewall Throughput (1518/512/64)	80 / 80 / 55 Gbps	IPS Throughput	11 Gbps
Firewall Latency	3 μ s	Antivirus Throughput (Proxy Based / Flow Based)	4.3 / 13 Gbps
Concurrent Sessions	12 Mil	Virtual Domains (Default / Max)	10/250
New Sessions/Sec	250,000	Max Number of FortiAPs (Total/Local bridge)	4096 / 1024
Firewall Policies	100,000	Max Number of FortiTokens	5,000
IPSec VPN Throughput	50 Gbps	Client-to-Gateway IPSec VPN Tunnels	50,000
SSL-VPN Throughput	4 Gbps	Concurrent SSL-VPN Users (Recommended Max)	10,000

FortiGate 3000 Series



Security Appliances For Large Enterprises & Managed Service Providers

 FG-3240C



 FG-3600C



 FG-3700D



 FG-3950B



- Ideal for securing traditional high-bandwidth networks, as well as virtualized, or cloud-based infrastructures.
- Higher price/performance ratio and more interfaces than any products in their class

Primary Benefits:

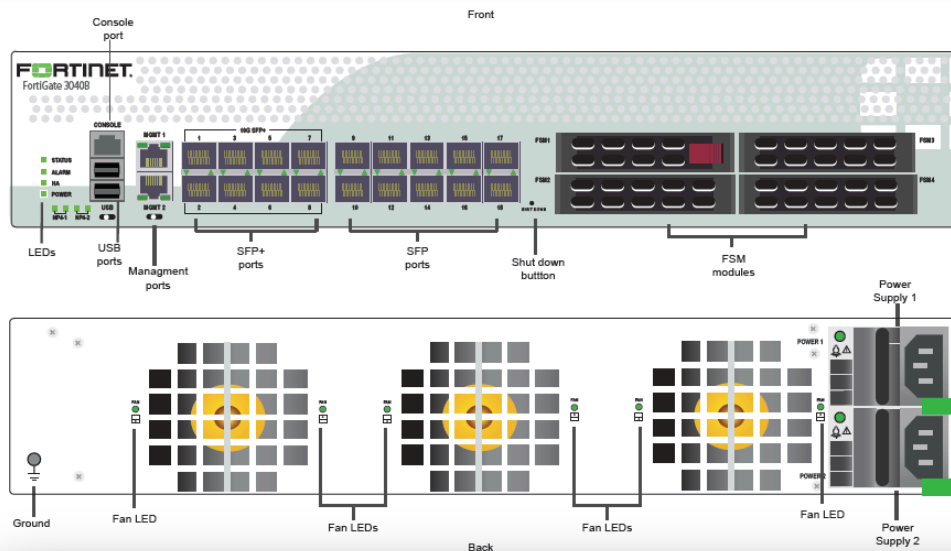
- ✓ Rich feature set for protecting next generation networks, including integrated IPS, application control, user-based policies, and endpoint policy enforcement
- ✓ On-board storage for WAN Optimization, local reporting and archiving
- ✓ Integration with FortiManager and FortiAnalyzer simplifies management, reporting and analysis for up to thousands of Fortinet devices

FortiGate 3000 Series: Comparison



	FG3040/ FG3140B	FG-3240C	FG-3600C	FG-3700D	FG-3950B
Firewall (1518/512/64 byte UDP)	40 / 40 / 40 58 / 55 / 43 Gbps	40 / 40 /40 Gbps	60 / 60 /60 Gbps	160 / 160 /110 Gbps	20-120 / 20-120 / 20-120 Gbps
Concurrent Sessions	5 Mil	10 Mil	28 Mil	44 Mil	20 Mil
New Sessions/Sec	200,000	200,000	235,000	300,000	250,000 – 300,000*
IPSec VPN	17 / 22 Gbps	17 Gbps	25 Gbps	100 Gbps	8 – 50.5 Gbps
IPS (HTTP)	6 / 8.4 Gbps	8 Gbps	14 Gbps	23 Gbps	20 Gbps
Antivirus (Proxy/Flow)	2.3 / 4.5 Gbps	2.6 / 9 Gbps	5.8 / 18 Gbps	7.5 / 18 Gbps	4 / 15 Gbps
Interfaces	8 x 10GE SFP+, 10 x GE SFP, 2 x GE RJ45 / + 2 10GE SFP+	12 x 10GE SFP+ 16 x GE SFP, 2 x GE RJ45	12 x 10GE SFP+ 16 x GE SFP, 2 x GE RJ45	4 x 40GE QSFP+, 20 x 10-GE SFP+ / GE SFP Slots, 8 x ultra-low latency 10 GE SFP+ slots, 2 x GE RJ45	2 x 10GE SFP+ 4 x GE SFP, 2 x GE RJ45 (base)
Storage	64 GB, 256 GB opt.	64 GB	128 GB	960 GB	256 GB
Variants	DC, LENC	DC, LENC	DC	-	DC, LENC

FortiGate-3040B



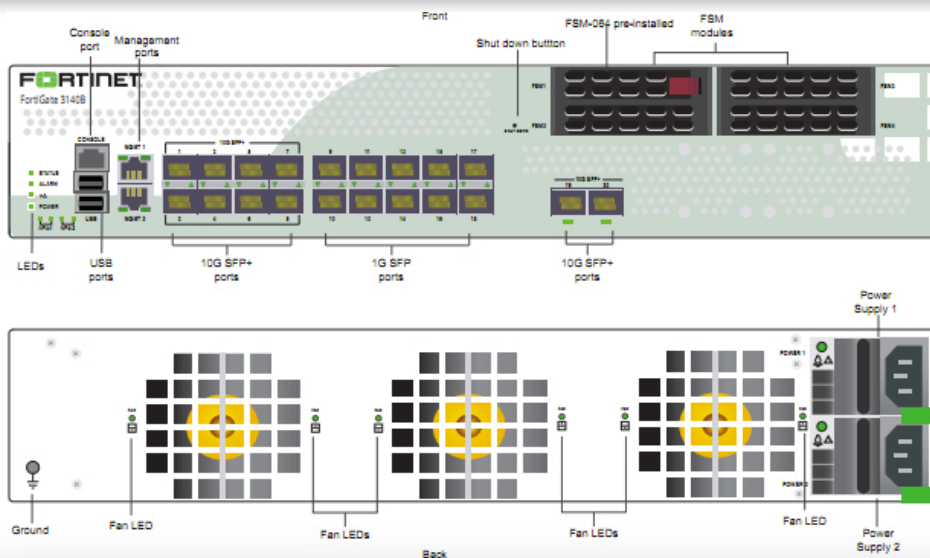
- 10x GE Accelerated SFP Slots
- 8x 10G accelerated SFP+ Slots (2x transceivers default)
- 2x GE RJ45 Ports



Hardware Performance

Firewall Throughput (1518/512/64)	40/40/40 Gbps	IPS Throughput	6 Gbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	2.3/4.5 Gbps
Concurrent Sessions	10 Mil	Virtual Domains (Default / Max)	10/250
New Sessions/Sec	200,000	Max Number of FortiAPs (Total/Local bridge)	4096 / 1024
Firewall Policies	100,000	Max Number of FortiTokens	5,000
IPSec VPN Throughput	17 Gbps	Client-to-Gateway IPSec VPN Tunnels	64,000
SSL-VPN Throughput	500 Mbps	Concurrent SSL-VPN Users (Recommended Max)	22,000

FortiGate-3140B



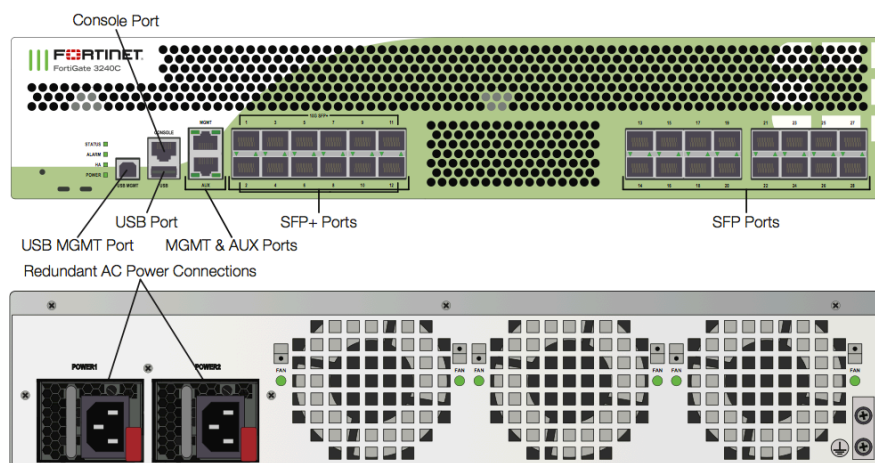
- 2x IPS Accelerated SFP+ Slots
- 10x GE Accelerated SFP Slots
- 8x 10G NP4 accelerated SFP+ Slots (2x transceivers default)
- 2x GE RJ45 Ports



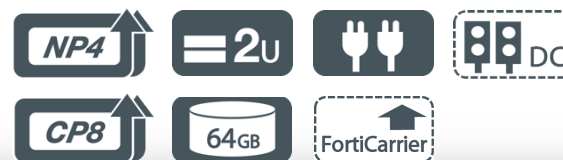
Hardware Performance

Firewall Throughput (1518/512/64)	58/55/43 Gbps	IPS Throughput	8.4 Gbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	2.3/5.7 Gbps
Concurrent Sessions	10 Mil	Virtual Domains (Default / Max)	10/250
New Sessions/Sec	200,000	Max Number of FortiAPs (Total/Local bridge)	4096 / 1024
Firewall Policies	100,000	Max Number of FortiTokens	5,000
IPSec VPN Throughput	22 Gbps	Client-to-Gateway IPSec VPN Tunnels	64,000
SSL-VPN Throughput	500 Mbps	Concurrent SSL-VPN Users (Recommended Max)	22,000

FortiGate-3240C



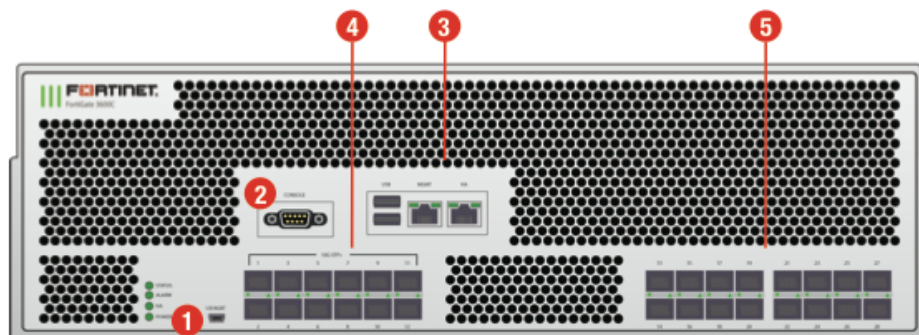
- 16x Gigabit Accelerated SFP Slots
- 12x 10G accelerated SFP+ Slots (2x transceivers default)
- 2x GE RJ45 Ports



Hardware Performance

Firewall Throughput (1518/512/64)	40/40/40Gbps	IPS Throughput	8 Gbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	2.6/9 Gbps
Concurrent Sessions	10 Mil	Virtual Domains (Default / Max)	10/500
New Sessions/Sec	200,000	Max Number of FortiAPs (Total/Local bridge)	4096 / 1024
Firewall Policies	100,000	Max Number of FortiTokens	5,000
IPSec VPN Throughput	17 Gbps	Client-to-Gateway IPSec VPN Tunnels	64,000
SSL-VPN Throughput	1 Gbps	Concurrent SSL-VPN Users (Recommended Max)	30,000

FortiGate-3600C



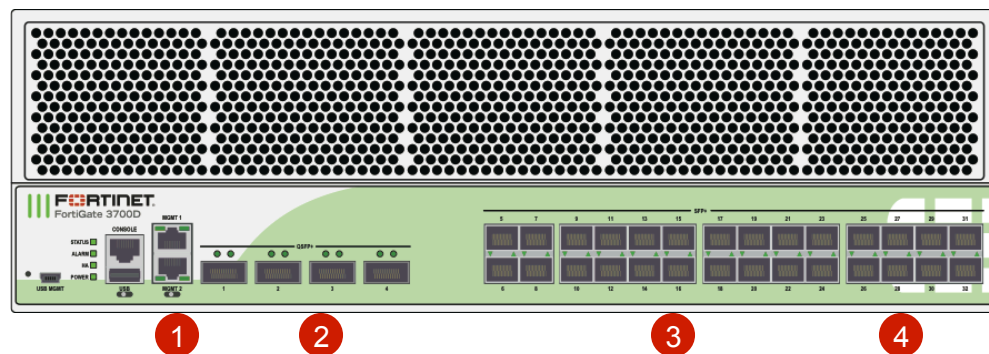
- 3 2x GE RJ45 Management & HA port
- 4 12x 10G SFP+ Slots (2x transceivers default)
- 5 16x GE SFP Slots



Hardware Performance

Firewall Throughput (1518/512/64)	60/60/60Gbps	IPS Throughput	14 Gbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	5.8/18 Gbps
Concurrent Sessions	28 Mil	Virtual Domains (Default / Max)	10/500
New Sessions/Sec	235,000	Max Number of FortiAPs (Total/Local bridge)	4096 / 1024
Firewall Policies	100,000	Max Number of FortiTokens	5,000
IPSec VPN Throughput	17 Gbps	Client-to-Gateway IPSec VPN Tunnels	64,000
SSL-VPN Throughput	5.3 Gbps	Concurrent SSL-VPN Users (Recommended Max)	30,000

FortiGate-3700D



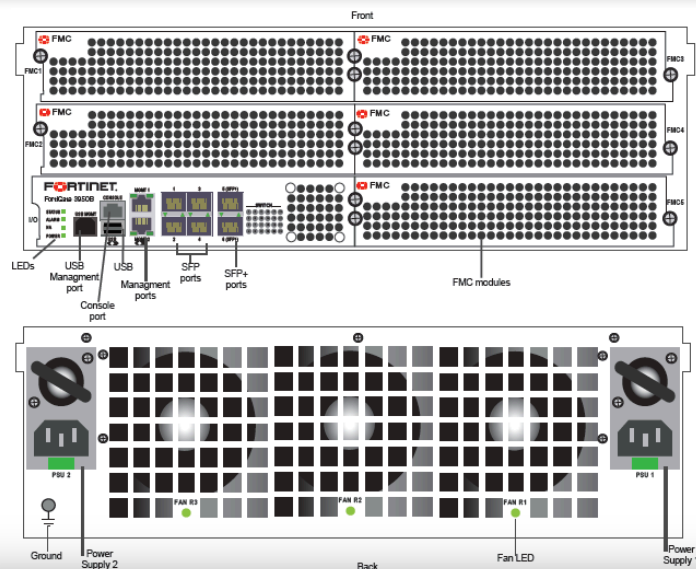
- 1 2 x GE RJ45 Management Ports
- 2 4 x 40GE QSFP Slots
- 3 20 x 10GE SFP+/GE SFP Slots
- 4 8 ultra-low latency 10GE SFP+ Slots



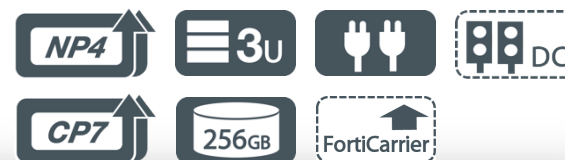
Hardware Performance

Firewall Throughput (1518/512/64)	160/160/110 Gbps	IPS Throughput	23 Gbps
Firewall Latency	2 μ s	Antivirus Throughput (Proxy Based / Flow Based)	7.5/18 Gbps
Concurrent Sessions	44 Mil	Virtual Domains (Default / Max)	10/500
New Sessions/Sec	300,000	Max Number of FortiAPs (Total/Local bridge)	4096 / 1024
Firewall Policies	100,000	Max Number of FortiTokens	5,000
IPSec VPN Throughput	100 Gbps	Client-to-Gateway IPSec VPN Tunnels	64,000
SSL-VPN Throughput	6 Gbps	Concurrent SSL-VPN Users (Recommended Max)	30,000

FortiGate-3950B



- 2x NP4 Accelerated 10GE SFP+ Interfaces (2x Transceiver included)
- 4x NP Accelerated GE SFP Slot
- 2x Non-Accelerated GE RJ45 Interfaces
- 5x Fortinet Mezzanine Card (FMC) Expansion Slot



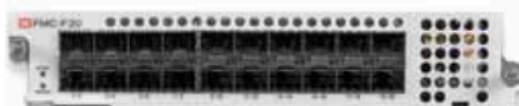
Hardware Performance

Firewall Throughput (1518/512/64)	20/20/20 – 120/120/120 Gbps	IPS Throughput	5-20 Gbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	4/5-15 Gbps
Concurrent Sessions	20 Mil	Virtual Domains (Default / Max)	10/500
New Sessions/Sec	250,000-300,000*	Max Number of FortiAPs (Total/Local bridge)	4096 / 1024
Firewall Policies	100,000	Max Number of FortiTokens	5,000
IPSec VPN Throughput	8 – 50.5 Gbps	Client-to-Gateway IPSec VPN Tunnels	64,000
SSL-VPN Throughput	1.2 G	Concurrent SSL-VPN Users (Recommended Max)	25,000

FortiGate-3950B Modules



FMC-C20 Module



FMC-F20 Module



FMC-XD2 Accelerated Interface Module
(Firewall Acceleration)



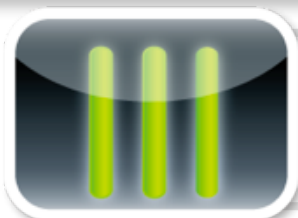
FMC-XG2 Security Processing Module
(IPS Acceleration)



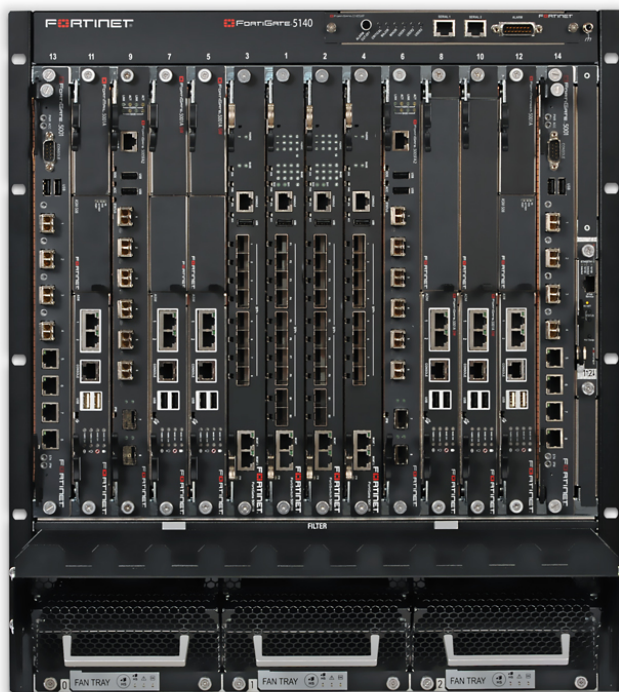
FMC-XH0 Security Processing Module
(IPS Acceleration)

	FMC-XD2	FMC-XG2	FMC-F20	FMC-C20	FMC-XH0
Firewall (1518/512/64 byte UDP)	20 / 20 /20 Gbps	18 / 17 / 4.5 Gbps	20 / 20 /20 Gbps	20 / 20 /20 Gbps	19 / 19 / 10.5 Gbps
IPSec VPN	8 Gbps	6 Gbps	8.5 Gbps	8.5 Gbps	16.5 Gbps
IPS (HTTP)	-	2.5 Gbps	-	-	4 Gbps
AV (Flow Based)	-	2 Gbps	-	-	4 Gbps
Network Interface	2 x 10GE SFP+ FortiASIC- accelerated port	22 x 10GE SFP+ FortiASIC- SP2 port	20 x SFP FortiASIC- accelerated port	20 x GE RJ45 Mbps FortiASIC- accelerated port	NIL

FortiGate 5000 Series



Security Appliances For Very Large Enterprises & Managed Service Providers



 **FG-5140B**

- Chassis-based platforms offer maximum performance, reliability, and scalability for high-speed service provider, large enterprise or telecommunications carrier networks.
- Fastest chassis-based firewall in the industry
- Flexibility enables protection of complex, multi-tenant cloud-based security-as-a-service and infrastructure-as-a-service environments.

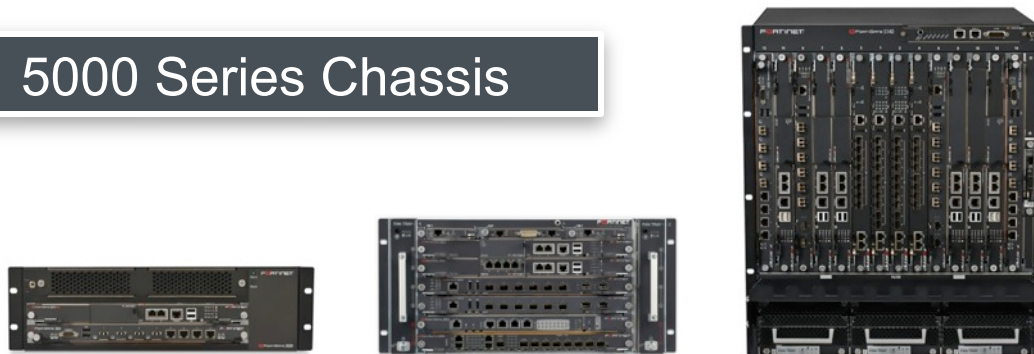
Primary Benefits:

- ✓ Native 10GE support for high speed requirements
- ✓ ATCA-compliant architecture delivers carrier-grade performance, reliability, availability and serviceability
- ✓ Chassis support two, six, or fourteen FortiGate-5000 series blades, allowing customization and scaling

Performance & Resiliency

- **Standard Based ATCA System**
- **Fully Redundant – Hot swappable blades, power supplies and fans**

5000 Series Chassis



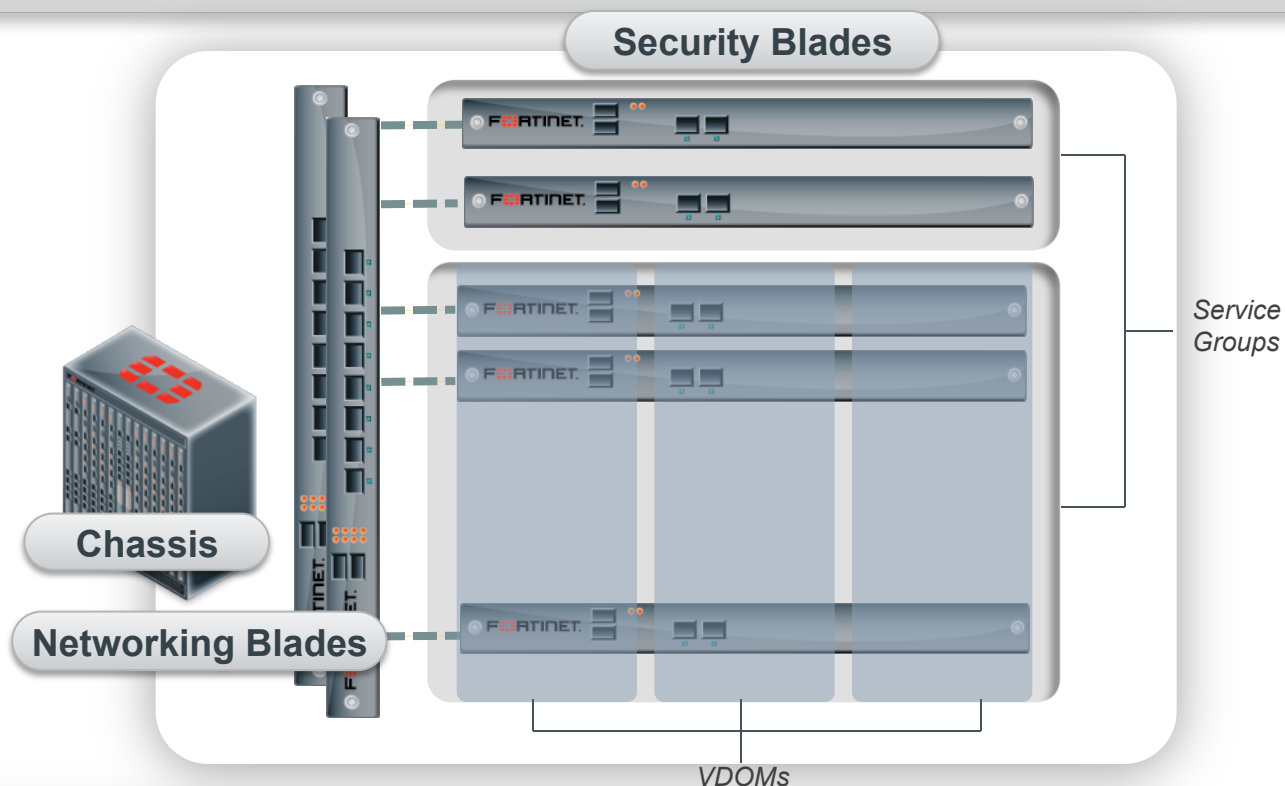
	5020	5060	5140B
Processing Slots	2	6	14
Max Firewall Throughput	80 Gbps	160 Gbps	160 Gbps
Max IPS throughput	19.6 Gbps	39.2 Gbps	117.6 Gbps
Max Concurrent Session	59 M	118 M	354 M
Max CPS	420 K	840 K	2.52 M

Performance based on ELBC with FG-5001C security Blades. FG-5020 relies LACP on external switches.

Load Distribution & Virtualization

Most flexible chassis based solution in the market

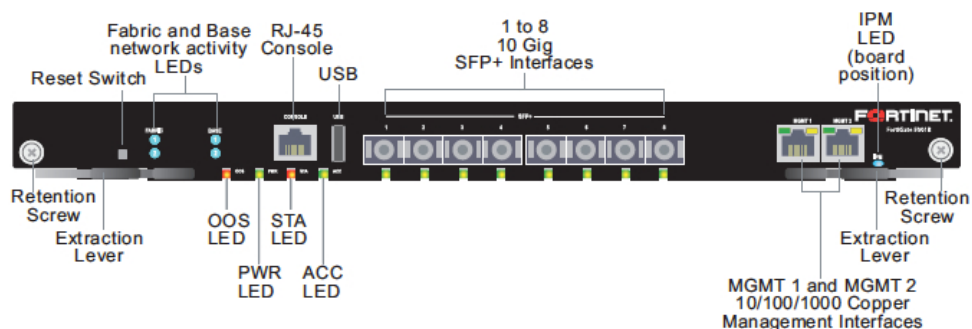
- ✓ Ease of Maintenance – hot swappable components
- ✓ Supports full hardware redundancy
- ✓ Supports various Inter and Intra HA configurations



Clustering	Service Grouping	Virtualization
Scales Traffic processing capacity linearly. Interoperates with external devices	Allows various groups of FortiGate Cluster to co-exist in a single chassis	Facilitates virtualized security components on FortiGate blades

FortiGate-5001B

Advanced TCA®



- 8x NP4 Accelerated 10GE SFP+ Interfaces (2x Transceiver included)
- 2x GE RJ45 Ports
- Back plane connectivity: 2x base backplane 1Gbps, 2x fabric backplane 10Gbps

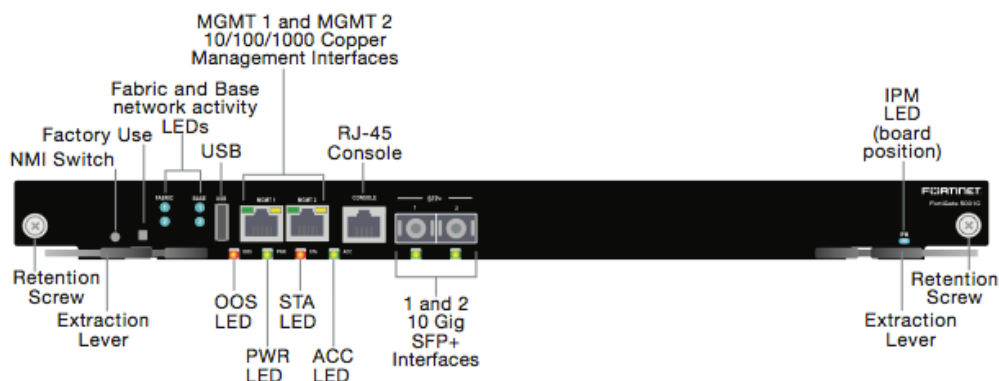


Hardware Performance

Firewall Throughput (1518/512/64)	40/40/40 Gbps	IPS Throughput	7.8 Gbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	2/2.5 Gbps
Concurrent Sessions	20 Mil	Virtual Domains (Default / Max)	10/500
New Sessions/Sec	170 K	Max Number of FortiAPs (Total/Local bridge)	4096 / 1024
Firewall Policies	100,000	Max Number of FortiTokens	5,000
IPSec VPN Throughput	17 Gbps	Client-to-Gateway IPSec VPN Tunnels	64,000
SSL-VPN Throughput	530 Mbps	Concurrent SSL-VPN Users (Recommended Max)	20,000

FortiGate-5001C

Advanced TCA®



- 2x NP4 Accelerated 10GE SFP+ Interfaces (2x Transceiver included)
- 2x GE RJ45 Ports
- Back plane connectivity: 2x base backplane 1Gbps, 2x fabric backplane 40Gbps

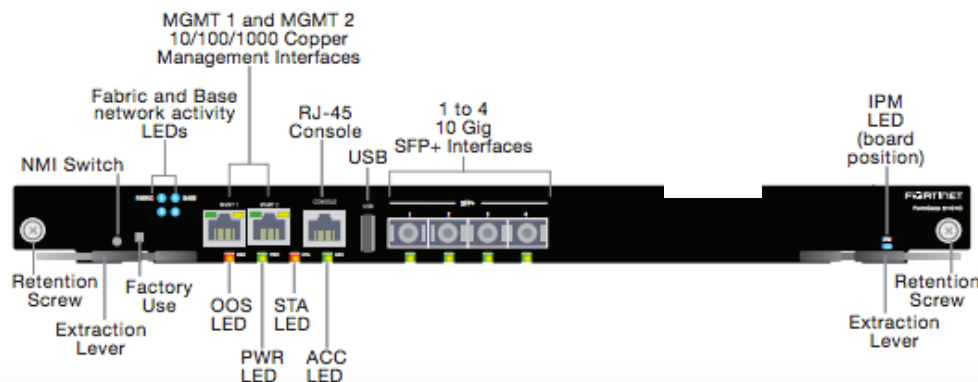


Hardware Performance

Firewall Throughput (1518/512/64)	40/40/40 Gbps	IPS Throughput	9.8 Gbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	3/4 Gbps
Concurrent Sessions	29.5 Mil	Virtual Domains (Default / Max)	10/500
New Sessions/Sec	210 K	Max Number of FortiAPs (Total/Local bridge)	4096 / 1024
Firewall Policies	100,000	Max Number of FortiTokens	5,000
IPSec VPN Throughput	17 Gbps	Client-to-Gateway IPSec VPN Tunnels	64,000
SSL-VPN Throughput	850 Mbps	Concurrent SSL-VPN Users (Recommended Max)	30,000

FortiGate-5101C

Advanced TCA®



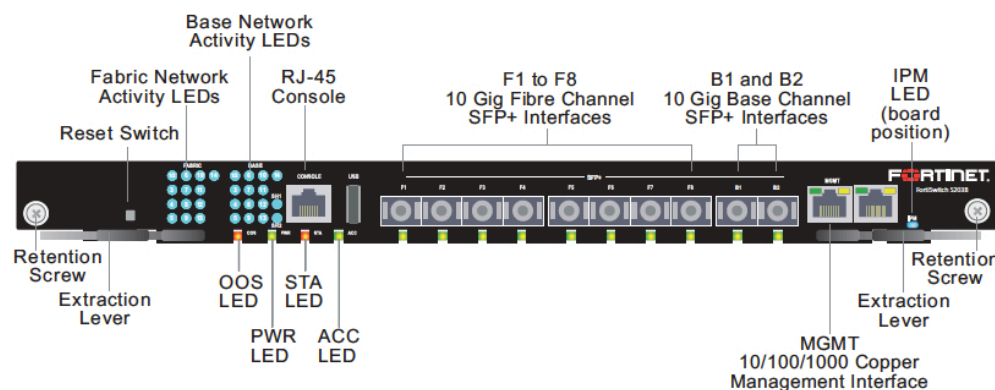
- 4x SP3 Accelerated 10GE SFP+ Interfaces (2x Transceiver included)
- 2x GE RJ45 Ports
- Back plane connectivity: 2x base backplane 1Gbps, 4x fabric backplane 10Gbps



Hardware Performance

Firewall Throughput (1518/512/64)	40/40/10 Gbps	IPS Throughput	9.4 Gbps
Firewall Latency	7 μ s	Antivirus Throughput (Proxy Based / Flow Based)	2/5 Gbps
Concurrent Sessions	10 Mil	Virtual Domains (Default / Max)	10/500
New Sessions/Sec	235 K	Max Number of FortiAPs (Total/Local bridge)	4096 / 1024
Firewall Policies	100,000	Max Number of FortiTokens	5,000
IPSec VPN Throughput	22 Gbps	Client-to-Gateway IPSec VPN Tunnels	64,000
SSL-VPN Throughput	970 Mbps	Concurrent SSL-VPN Users (Recommended Max)	20,000

FortiSwitch-5003B



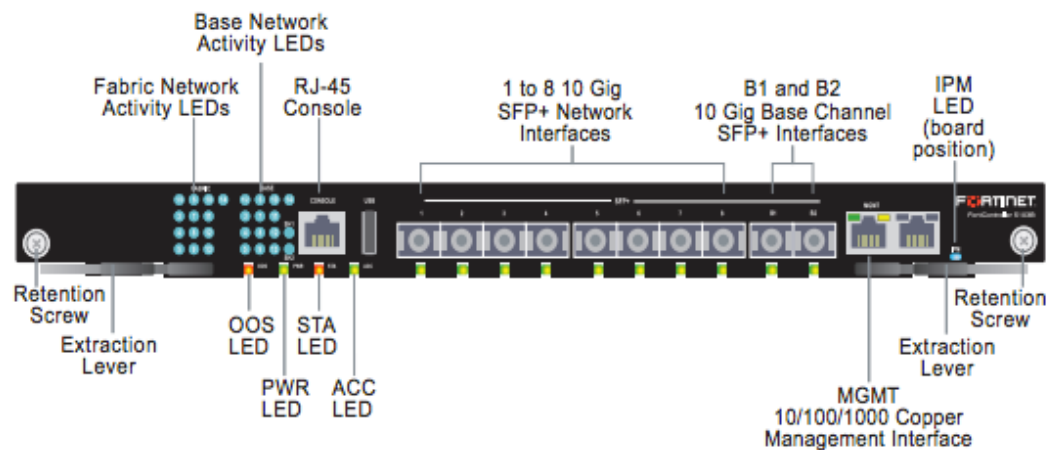
- 8x SFP+ slots for 10-gigabit interfaces (2x transceivers default)
- 2x front panel base backplane 10-gigabit interfaces that connects to the base backplane channel
- 1x front panel base backplane GE RJ45 interface

Hardware Performance

Switching throughput

225 Gbps

FortiController-5103B



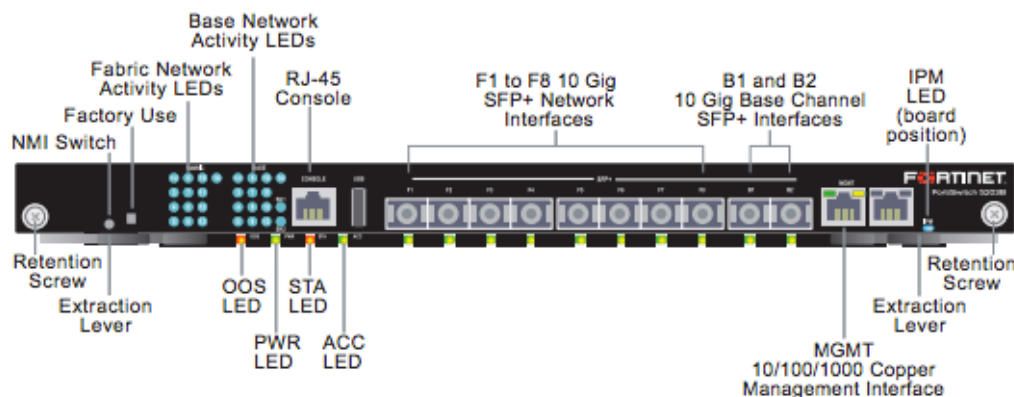
- 10x SFP+ slots for 10GE interfaces (2x transceivers default)
- 1x GE RJ45 management interface



Hardware Performance

Traffic throughput	60 Gbps	New Sessions/Sec	1.26 Mil
Concurrent Session	110 Mil		

FortiSwitch-5203B



- 8x NP4 Accelerated 10GE SFP+ Interfaces (2x Transceiver included)
- 2 x 10GE SFP+
- 1x GE RJ45 Ports



Hardware Performance

Firewall Throughput (1518/512/64)	40 Gbps	IPS Throughput	7.8 Gbps
Firewall Latency	4 μ s	Antivirus Throughput (Proxy Based / Flow Based)	2/2.5 Gbps
Concurrent Sessions	20 Mil	Virtual Domains (Default / Max)	10/500
New Sessions/Sec	170 K	Max Number of FortiAPs	1024
Firewall Policies	100,000	Max Number of FortiTokens	5,000
IPSec VPN Throughput	17 Gbps	Client-to-Gateway IPSec VPN Tunnels	64,000
SSL-VPN Throughput	530 Mbps	Concurrent SSL-VPN Users (Recommended Max)	20,000

FortiGate-VM



	FG-VM00	FG-VM01	FG-VM02	FG-VM04	FG-VM08
vCPU (Min / Max)	1/1	1/1	1/2	1/4	1/8
Network Interface (Min / Max)	2/10	2/10	2/10	2/10	2/10
Memory (Min / Max)	512 MB / 512 MB	512 MB / 1 GB	512 MB / 3 GB	512 MB / 4 GB	512 MB / 12 GB
Storage Support (Min/ Max)	30 GB / 2TB	30 GB / 2TB	30 GB / 2TB	30 GB / 2TB	30 GB / 2TB
Max FortiAP	32	256	512	512	1,024
VDOM (Default/Max)	1 / 1	10 / 10	10 / 25	10 / 50	10/ 250

Transceivers



	Available Slots	Transceivers Shipped
FG60C-SPF	1 SFP	NIL
FG100D	1 SFP	NIL
FG140D/140D-POE/140D-POE-T1	2 SFP	NIL
FG-200D/240D	2 SFP	NIL
FG600C	2 SFP	2x Fiber SX SFP modules (1000BaseSX)
FG800C/1000C	4 SFP 2 SFP+	2x Fiber SX SFP modules (1000BaseSX)
FG1240B	24 SFP	2x Fiber SX SFP modules (1000BaseSX)
FG1500D	8 SFP+ 16 SFP	2x SFP+ (SR 10GE)
FG3040B	8 SFP+ 10 SFP	2x SFP+ (SR 10GE)
FG3140B	10 SFP+ 10 SFP	2x SFP+ (SR 10GE)
FG3240B	12 SFP+ 16 SFP	2x SFP+ (SR 10GE)
FG3600C	12 SFP+ 16 SFP	2x SFP+ (SR 10GE)

Transceivers



	Available Slots	Transceivers Shipped
FG3700D	4 QSFP+ 28 SFP+ *	2x SFP+ (SR 10GE)
FG3950B	2 SFP+ 4 SFP	2x SFP+ (SR 10GE)
FG5001B	8 SFP+	2x SFP+ (SR 10GE)
FG5001C	2 SFP+	2x SFP+ (SR 10GE)
FG5101C	4 SFP+	2x SFP+ (SR 10GE)
FG5003B	10 SFP+	2x SFP+ (SR 10GE)

Power Adapters & Redundant Power Supplies



	Spare/Redundant Power Supplies Option
FG/FWF-20C, 30D	SP-FG20C-PA-XX
FG/FWF-40C, 60C, 60D, 90D	SP-FG60C-PDC
FG/FWF-80C, 60B, 50B, 30B Series	SP-FG80-PDC
FG-200B	SP-FG310B-RPS FRPS-100
FG-200B-POE	NIL
FG-200D, 240D, 280D-POE	FRPS-100
FG-310B,300C	SP-FG310B-RPS FRPS-100
FG-311B	Inbuilt dual PS
FG-600C, 800C	SP-FG600C-PS (additional as option)
FG-600C-DC	SP-FG600C-DC-PS (additional as option)
FG-620B, 621B	SP-FG620B-RPS
FG-1000C, FG-1000C-DC	SP-FG600C-PS, SP-FG600C-DC-PS (spare)
FG-1240B, FG-1500D, 3040B, 3140B	SP-FG1240B-PS (spare)
FG-3240C, 3600C	SP-FG3600C-PS (spare)





Power Adapters & Redundant Power Supplies



	Spare/Redundant Power Supplies Option
FG-3700D	SP-FG3700D-PS (spare)
FG-3810A, FG-3810A-DC	SP-FG3810A-PS, SP-FG3810A-DC-PS (spare)
FG-3950B, FG-3951B	SP-FG3950B-PS 9spare)

Power Cords



SP-FGPCOR-US	SP-FGPCOR-UK	SP-FGPCOR-EU	SP-FGPCOR-AU
NEMA 5-15	BS 1363	CEE7 VII	AS/NZS 3112
Type B	Type G	Type C, E, F, K	Type I
			

FortiGate Modules



	FG 310B 311B	FG 620B	FG 1240B	FG 3016B	FG 3600A	FG 3810A	FG 5001A- SW	FG 5001A- DW
ASM-FB4 Module	•	•		•	•	• •	•	
ADM-FB8 Module						• •		•
ADM-XB2 Module						• •		•
ASM-CX4 Module	•	•	•	•	•	• •	•	
ASM-FX2 Module	•	•	•	•	•	• •	•	
ASM-CE4 Module			•	•		• • *	•	
ADM-XE2 Module						• • *		•
ASM-ET4 Module	•							
ASM-SAS Module	•	•		•	•	•	•	
ASM-S08 Module	•	•		•	•	•	•	
ADM-FE8 Module						• ^		
ADM-XD4 Module						• •	•	

* max 2 modules total among CE4 & XE2

^ Requires V4.2

FortiGate Modules



	FG 310B 311B	FG 620B	FG 1240B	FG 3016B	FG 3600A	FG 3810A	FG 5001A- SW	FG 5001A- DW
RTM-XB2 Module RTM-XD2 Module							FG 5050 & FG 5140 Chassis	

FMC Modules (3950B)	Interface	ASIC
FMC-XD2 Module	2x 10-Gig SFP+ ports	1x NP4
FMC-XG2 Module	2x 10-Gig SFP+ ports	1x SP2
FMC-C20 Module	20x 10/100/100 Copper ports	1x NP4
FMC-F20 Module	20 1-Gig SFP slots	1x NP4
FMC-XH0 Module	NIL	1x SP3

FSM Modules	Supported Models
FSM-064	FG-3951B , FG-1240B and 1240B-DC, FG-311B, FG-200B and FG-200B-POE

* max 2 modules total among CE4 & XE2

^ Requires V4.2



FortiOS 5

Supported Platform



Desktop

- FG/FWF-20C
- FG/FWF-40C
- FG/FWF-60C
- FG/FWF-60D*
- FG/FWF-80C(M)
- FG-110/111C



Mid Range

- FG-100D
- FG200B(POE)
- FG300C
- FG310/311B
- FG-600C
- FG-620/621B
- FG800C/1000C
- FG1240B
- FG1500D



3000 Series

- FG-3016B
- FG-3040B
- FG-3140B
- FG-3240C*
- FG-3600C*
- FG-3700D*
- FG-3810A
- FG-3950/51B



5000 Series

- FG-5001A-SW/DW
- FG-5001B/C
- FG-5101C



FortiGate-VM

- VM
- VM64

* Available on patch releases

Feature Matrix for Desktop Models



FortiOS 5.0.5	FG/FWF-20C Series	FG/FWF-30D Series	FG/FWF-40C Series	FG/FWF-60D Series	FG/FWF-90D Series
Client Reputation	✓	✓	✓	✓	✓
Disk/Memory Logging	CLI	CLI	CLI	CLI	✓
Identity Based Policies	CLI	-	✓	✓	✓
SSL VPN	✓	✓	✓	✓	✓
SSL Inspection	CLI	CLI	CLI	✓	✓
SSL Offloading	-	-	-	-	✓
Endpoint Control	-	✓	✓	✓	✓
SSH Proxy	-	-	-	-	-
Traffic Shaping	-	-	CLI	✓	✓
DLP Fingerprint	-	-	-	✓	-
VLAN	CLI	CLI	CLI	✓	✓
WAN Opt. / Web Cache	-	-	-	CLI	✓
Wireless Controller	-	-	✓	✓	✓
Vulnerability Scan	-	-	-	✓	✓

Feature Matrix for Desktop Models



FortiOS 5.0.5	FG/FWF-20C Series	FG/FWF-30D Series	FG/FWF-40C Series	FG/FWF-60D Series	FG/FWF-90D Series
HA	-	-	CLI	✓	✓
Ping Server	CLI	CLI	CLI	✓	✓
Remote Server	CLI	CLI	CLI	✓	✓
DNS Server	-	-	-	✓	✓
Explicit Proxy	-	-	CLI	✓	✓
Dynamic Routing	-	CLI, PBR only	CLI	✓	✓
VDOM	-	-	-	✓	✓

Services, Licenses & Subscriptions



BOLD: New Offerings



Included with FortiGate

- DNS Service
- DDNS Service
- NTP Service
- 2 FortiTokenMobile License* ----- + **FortiTokenMobile License**
- 10 FortiClient Endpoint License* ----- + **Endpoint License****
- 10 VDOMs License ----- + **VDOM License****
- **FortiCloud Service (trial)*** ----- + **FortiCloud Storage Top-up**
+ **SMS Top-up**

FortiCare Subscription Required

- Geography Updates
- BYOD Signatures Updates
- USB Modem DB Updates
- Vulnerability Scan Signature Updates
- Firmware Update

*Registration Required

** Available on selected Models

Services, Licenses & Subscriptions



BOLD: New Offerings



FortiGuard AV Subscription

- Botnet IP reputation DB
- **FortiGuard Analytics Service**
- Proxy & Flow based AV signatures



FortiGuard Web Filter Subscription

- **DNS Based Web Categories Filtering**
- Proxy & Flow based Web Categories DB



FortiGuard NGFW Subscription

- IPS Signature Updates
- Application Control Signature Updates











FortiGuard Anti-spam Subscription

- Anti-spam Services

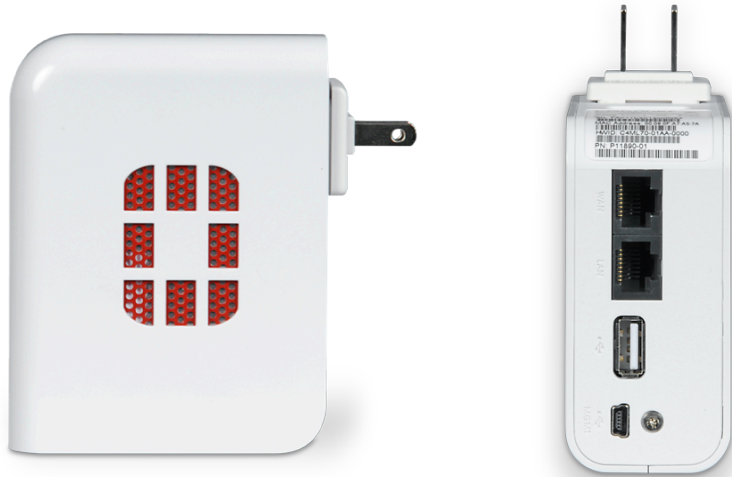


FortiAP

FortiAP Family

3x3:3 Resiliency and Versatility	Dual Radio	Dual Band			FAP-320C <div>802.11ac</div> 
					FAP-320B 
				FAP-222B 	FAP-223B FAP-221B FAP-221C <div>802.11ac</div> 
2x2:2 Performance	Single Radio		FAP-28C 		FAP-210B 
1x1:1 Value			FAP-14C FAP-11C 	FAP-112B 	
			Remote	Outdoor	Indoor

FortiAP-11C



- 2 x GE RJ45 Interface

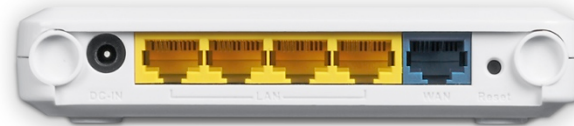
Hardware Performance

Target Environment	Remote	Simultaneous SSIDs	8 (7 for client access, 1 for monitoring)
Number of Antenna	1 Internal	Max Transmission Power	17 dBm (50mW)
Number of Radio	1	PoE Support	NIL
TX / RX Stream (802.11n)	1x1 MIMO, 150 Mbps	Power Supplies	Integrated AC

FortiAP-14C



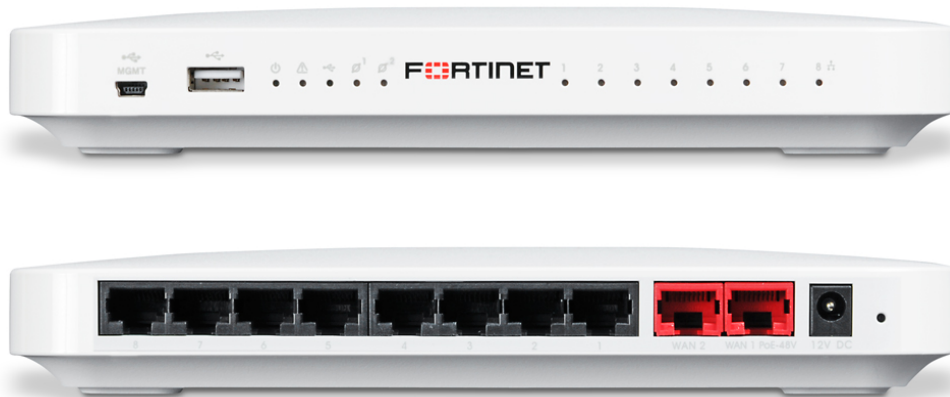
- 1 x FE WAN Interface
- 4 x FE Switch Interface



Hardware Performance

Target Environment	Remote	Simultaneous SSIDs	8 (7 for client access, 1 for monitoring)
Number of Antenna	1 Internal	Max Transmission Power	17 dBm (50mW)
Number of Radio	1	PoE Support	NIL
TX / RX Stream (802.11n)	1x1 MIMO, 150 Mbps	Power Supplies	Ext. AC power supply

FortiAP-28C



- 2 x GE RJ45 WAN Interface
- 8 x GE RJ45 Switch Interface

Hardware Performance

Target Environment	Remote	Simultaneous SSIDs	8 (7 for client access, 1 for monitoring)
Number of Antenna	2 Internal	Max Transmission Power	17 dBm (50mW)
Number of Radio	1	PoE Support	NIL
TX / RX Stream (802.11n)	2x2 MIMO, 300 Mbps	Power Supplies	Ext. AC power supply

FortiAP-112B



- 2 x FE Interface

Hardware Performance

Target Environment	Indoor/Outdoor	Simultaneous SSIDs	8(7 for client access, 1 for monitoring)
Number of Antenna	1 Internal	Max Transmission Power	24 dBm (250mW)
Number of Radio	1	PoE Support	802.3af
Tx / RX Stream (802.11n)	1x1 MIMO, 150 Mbps		

FortiAP-221B



- 1 x GE RJ45 Interface

Hardware Performance

Target Environment	Indoor	Simultaneous SSIDs	8(7 for client access, 1 for monitoring)
Number of Antenna	4 Internal	Max Transmission Power	17 dBm (50mW)
Number of Radio	2	PoE Support	802.3af
Tx / RX Stream (802.11n)	2x2 MIMO with Dual Spatial streams, 600 Mbps Total		

FortiAP-221C



- 1 x GE RJ45 Interface

Hardware Performance

Target Environment	Indoor	Simultaneous SSIDs	8(7 for client access, 1 for monitoring)
Number of Antenna	4 Internal	Max Transmission Power	17 dBm (50mW)
Number of Radio	2	PoE Support	802.3af
Tx / RX Stream (802.11n)	2x2 MIMO with Dual Spatial streams, 1167 Mbps Total		

FortiAP-223B



- 1 x GE RJ45 Interface

Hardware Performance

Target Environment	Indoor	Simultaneous SSIDs	16 (14 for client access, 2 for monitoring)
Number of Antenna	4 external	Max Transmission Power	17 dBm (50mW)
Number of Radio	2	PoE Support	802.3af
Tx / RX Stream (802.11n)	2x2 MIMO with Dual Spatial streams, 600 Mbps Total		

FortiAP-320B



- 2 x GE RJ45 Interface

Hardware Performance

Target Environment	Indoor	Simultaneous SSIDs	16 (14 for client access, 2 for monitoring)
Number of Antenna	6 Internal	Max Transmission Power	24 dBm (250mW)
Number of Radio	2	PoE Support	802.3af
Tx / RX Stream (802.11n)	3x3 MIMO with 3 spatial streams, 900 Mbps Total		

FortiAP-320C



- 2 x GE RJ45 Interface

Hardware Performance

Target Environment	Indoor	Simultaneous SSIDs	16 (14 for client access, 2 for monitoring)
Number of Antenna	6 Internal	Max Transmission Power	24 dBm (250mW)
Number of Radio	2	PoE Support	802.3af
Tx / RX Stream (802.11n)	3x3 MIMO with 3 spatial streams, 1750 Mbps Total		

FortiAP-Antennas



FAN-612N/R

Specification	
Compatible AP	FAP-222B
Type	Point to point antenna for 5Ghz bridging with N/R connectors.
Accessories	Mount Kit sold separately FAN-M22.



FAN-500N

Specification	
Compatible AP	FAP-222B
Type	Directional 120 degree outdoor panel antenna
Accessories	Includes two 120cm Cables with N connector. Mount Kit sold separately FAN-22.

Hardware Overview – FortiAP (Local)



	FAP-112B	FAP-221B/ 223B*	FAP-221C	FAP-222B	FAP-320B	FAP-320C
Form Factor	Wall mount, Ceiling Mount, indoor/outdoor	Smoke Detector Form Factor	Smoke Detector Form Factor	Outdoor	Wall mount, Ceiling Mount	Wall mount, Ceiling Mount
Radio	1	2	2	2	2	2
Bands	2.4 GHz b/g/n	1) 2.4 GHz b/g/ n 2) 2.4/5GHz a/ b/g/n concurrent	1) 2.4 GHz b/g/ n 2) 2.4/5GHz a/ b/g/n concurrent	1) 2.4 GHz b/g/ n 2) 5GHz a/n concurrent	1) 2.4 GHz b/g/ n 2) 2.4/5GHz a/ b/g/n concurrent	1) 2.4 GHz b/g/ n 2) 5GHz a/n/ac concurrent
PoE	802.3af	802.3af	802.3af	802.3at	802.3af	802.3af
Rx / Tx	1x1, Single stream, 150 Mbps	2x2 Dual stream, 600Mbps	2x2 Dual stream, 1167 Mbps	2x2 Dual stream, 600Mbps	3x3 Triple stream, 900Mbps	3x3 Triple stream, 1750 Mbps
Recommended # of Users	30	30 per radio	30 per radio	30 per radio	50 per radio	50 per radio
Antennas	1 internal	4 internal 4 external*	4 internal	4 external	6 internal	6 internal
Ethernet Interfaces	2x FE	1x GE RJ45	1x GE RJ45	1x GE RJ45	2x GE RJ45	2x GE RJ45

Hardware Overview – FortiAP (Remote)



	FAP-11C	FAP-14C	FAP-28C			
Form Factor	Desktop	Desktop	Desktop			
Radio	1	1	1			
Bands	2.4 GHz b/g/n	2.4 GHz b/g/n	2.4 or 5GHz, switchable b/g/n or a/n			
PoE	NA	NA	NA			
Rx / Tx	1x1, Single stream, 150 Mbps	1x1, Single stream, 150 Mbps	2x2, Dual stream, 300 Mbps			
Recommended # of users	5	10	20			
Antennas	1 internal	1 internal	2 internal			
Ethernet Interfaces	2x GE RJ45	5x FE	10x GE RJ45			

FortiAP Power Adaptors



	Power Supply Type	Power supply shipped with unit	(Spare) Power supply order SKU	GPI-115 Support
FAP-11C	AC	Yes - Integrated power plug	-	-
FAP-14C	AC	Yes	-	-
FAP-28C	AC	Yes	-	-
FAP-112B	PoE Proprietary	Yes - Proprietary PoE injector and AC adaptor	-	-
FAP-210B	PoE 802.3af	Yes	SP-FAP220B-PA-<Country Suffix>	Yes
FAP-220B	PoE 802.3af	Yes	SP-FAP220B-PA-<Country Suffix>	Yes
FAP-221B/223B	PoE 802.3af	No	SP-FAP221B-PA + SP-ADAPTORPLUG-01-<Country Suffix>	Yes
FAP-221C	PoE 802.3af	No	SP-FG20C-PA-<country suffix>	Yes
FAP-222B	PoE 802.3at/POE Proprietary	Yes - Proprietary PoE+ injector and AC adaptor	SP-FAP222B-PA (includes PoE injector) + SP-ADAPTORPLUG-01-<Country Suffix>	-
FAP-320B	PoE 802.3af	No	SP-FG20C-PA-<country suffix>	Yes
FAP-320C	PoE 802.3af	No	SP-FG20C-PA-<country suffix>	Yes



FortiSwitch

Introducing FortiSwitch

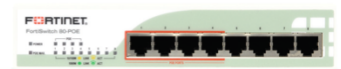


Access level Gigabit Switches with ease of use and low cost of ownership

 **FSW-28C**



 **FSW-80-POE**



 **FSW-124B-POE**



 **FSW-224B-POE**



 **FSW-324-POE**



 **FSW-348B**




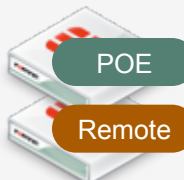





 **FSW-448B**

- Outstanding price, performance, and scalability to organizations with diverse operational needs.

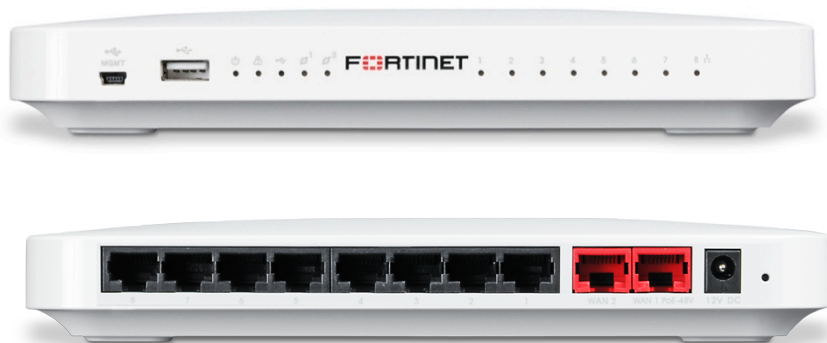
Primary Benefits:

- ✓ High Port Density
- ✓ Integrated Power Over Ethernet
- ✓ Connect Access Points, Peripherals, Cameras, Phones
- ✓ Create an integrated, secure network

FortiSwitch Family

Data Center	40G				
	10G				<div></div> <div>FSW-548B FSW-248B-DPS</div>
Secure Access	1G	<div></div> <div>POE FSW-108-POE Remote FSW-28C</div>	<div></div> <div>POE FSW-324B-POE POE FSW-224D-POE</div>		<div></div> <div>FSW-348B</div>
		<div></div> <div>POE FSW-80-POE</div>	<div></div> <div>POE FSW-224B-POE POE FSW-124B-POE</div>		<div></div> <div>FSW-448B</div>
Access		8 ports	24 ports	32 ports	48 ports

FortiSwitch-28C



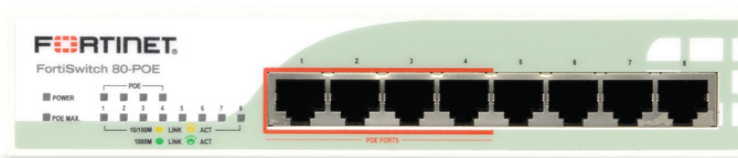
- 2x GE RJ45 WAN Ports
- 8x GE RJ45 Switch Ports



Hardware Performance

Switch Capacity	16 Gbps	VLANs Supported	4096
MAC Address Storage	2,000	Total ports in Link Aggregation Group	up to 2 ports
Management	CLI, Web & FOS	PoE Power Budget	-
Fortified Switch (UAL)	Yes with FOS 5.0.1+	Target Application	Secure Remote LAN Edge Convergence

FortiSwitch-80-POE



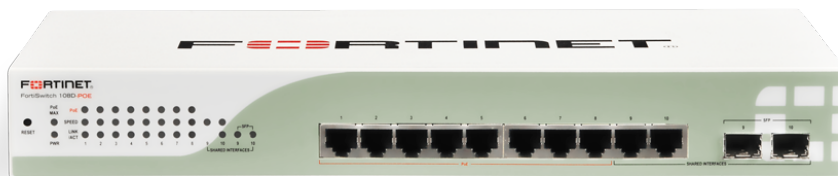
- 4x GE RJ45 Ports
- 4x GE PoE Ports



Hardware Performance

Switch Capacity	16 Gbps	VLANs Supported	N/A
MAC Address Storage	2,000	Total Link Aggregation Group	3
Management	unmanaged	PoE Power Budget	62 W
Target application	Installation of up to 4 wireless FAPs	Fortified Switch	No

FortiSwitch-108D-POE



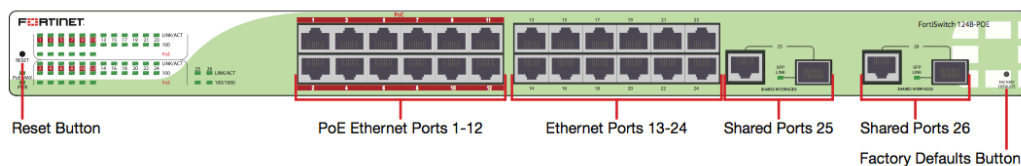
- 8x PoE GE RJ45
- 2x pairs Shared GE ports



Hardware Performance

Switch Capacity	20 Gbps	VLANs Supported	4096
MAC Address Storage	16,000	Total Link Aggregation Group	up to 8 ports
Fortified Switch	Yes	PoE Power Budget	75W

FortiSwitch-124B-POE



- 12x FE Ports
- 12x FE PoE Ports
- 2x pairs Shared GE ports



Hardware Performance

Switch Capacity	8.8 Gbps	VLANs Supported	64
MAC Address Storage	8,000	Total Link Aggregation Group	3
Network Latency (64bytes)	<20 μ s	PoE Power Budget	100 W

FortiSwitch-224B-POE



- 4x GE POE+ Ports
- 16x GE POE Ports
- 4x pairs Shared (POE) GE ports



Hardware Performance

Switch Capacity	48 Gbps	VLANs Supported	512
MAC Address Storage	8,000	Total ports in Link Aggregation Group	8
Management	CLI and Web	PoE Power Budget	180 W
Target Application	Converged LAN Edge	Fortified Switch	No

FortiSwitch-224D-POE



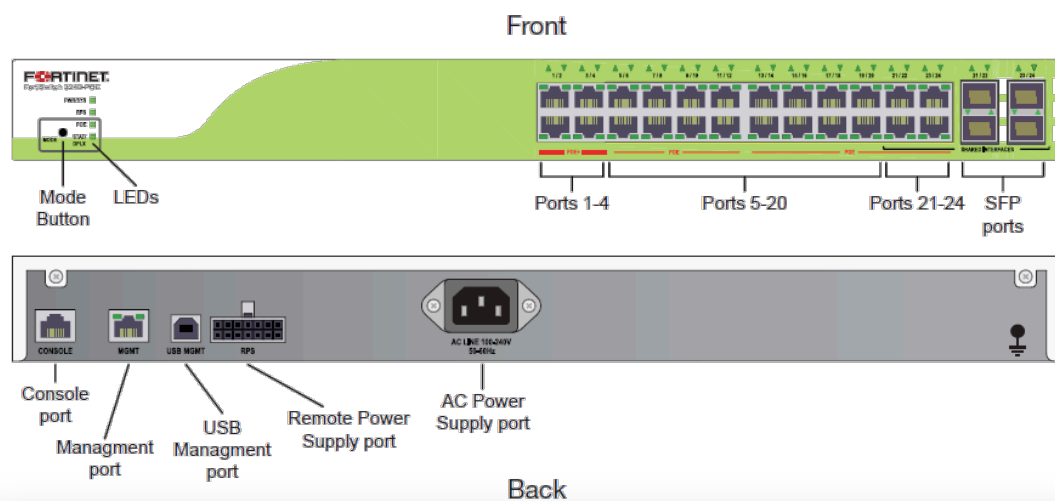
- 8 x GE Ports
- 12x GE POE Ports
- 4x pairs Shared GE ports



Hardware Performance

Switch Capacity	48 Gbps	VLANs Supported	4096
MAC Address Storage	16,000	Total ports in Link Aggregation Group	up to 8 ports
Management	CLI and Web	PoE Power Budget	180 W
Target Application	Converged LAN Edge	Fortified Switch	Yes

FortiSwitch-324B-POE



- 4x with GE POE+
- 16x with GE POE
- 4x pairs Shared (POE) GE ports
- 1x GE RJ45 Mgmt Port



Hardware Performance

Switch Capacity	48 Gbps	VLANs Supported	4096
MAC Address Storage	16,000	Total ports in Link Aggregation Group	8
Management	FOS, Web, & CLI	PoE Power Budget	180 W
Fortified Switch (UAL)	Yes with FOS 5.0.1+	Target Application	Secure LAN Edge Convergence

FortiSwitch-348B



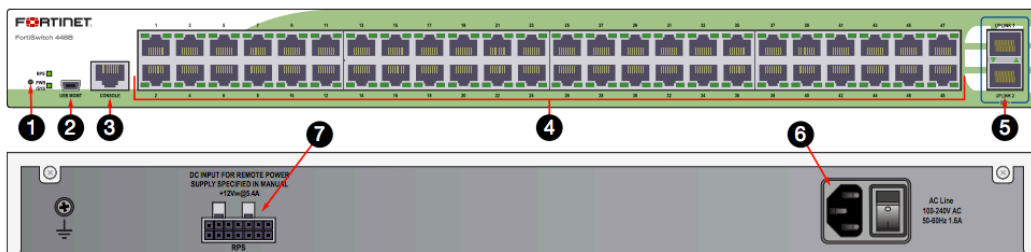
- 48x GE RJ45 Port
- 2x pairs Shared GE ports



Hardware Performance

Switch Capacity	96 Gbps	VLANs Supported	4096
MAC Address Storage	16,000	Total ports in Link Aggregation Group	8
Management	FOS, Web, & CLI	PoE Power Budget	-
Fortified Switch (UAL)	Yes with FOS 5.0.1+	Target Application	Secure LAN Edge Convergence

FortiSwitch-448B



- 48x GE RJ45 Port
- 2x SFP+ slots

1U

Hardware Performance

Switch Capacity	96 Gbps	VLANs Supported	4096
MAC Address Storage	16,000	Total ports in Link Aggregation Group	8
Management	Web & CLI	PoE Power Budget	-
Fortified Switch (UAL)	Yes with FOS 5.0.1+	Target Application	Secure LAN Edge Convergence

FortiSwitch Series – Access Switches



	FSW-80-POE	FSW-124B-POE	FSW-224B-POE	FSW-448B
Form Factor	Desktop	1 RU	1RU	1RU
FE Ports	-	24 (incl. 12x PoE)	-	-
GbE Ports	8x GE RJ45 (incl. 4x PoE)	-	24x GE RJ45 (incl. 24 PoE)	48x GE RJ45
10G SFP+ Slots	-	-	-	2
Shared Media Port Pair	-	2	4	-
Power Budget	62 W	100W	180W	-
Management	None	Web only	Web & CLI	Web & CLI
Serial console	-	-	DB9	RJ45
L3 option	No	No	No	No

FortiSwitch Series – Secure Access Switches



	FSW-28C	FSW-108D- POE	FSW-224D- POE	FSW-324B- POE	FSW-348B
Form Factor	Desktop	Desktop	1RU	1RU	1RU
FE Ports	-	-	-	-	-
GbE Ports	10x GE RJ45	8x PoE RJ45	20x GE RJ45 (incl. 12 PoE)	24x GE RJ45 (incl. 20 PoE, 4 PoE+)	48x GE RJ45
10G SFP+ Slots	-	-	-	-	-
Shared Media Port Pair	-	2	4	4	2
Power Budget	-	75W	185W	185W	-
Management	FOS, Web, & CLI	FOS, Web, & CLI	FOS, Web, & CLI	FOS, Web, & CLI	FOS, Web, & CLI
Serial console	-	-	RJ45	RJ45	RJ45
L3 option	No	No	No	No	No

FortiSwitch Series – Data Center Switches



	FS-248B-DPS	FSW-108D-POE
Form Factor	1 RU	1RU
FE Ports	-	-
GE Ports	48 + 1x mgmt	1x mgmt
PoE GE Ports	-	-
10GE Ports	4 (1G/10G)	48 (1G/10G)
40GE Ports	-	-
Shared Ports (pair)	-	-
Power Budget	-	-
FortiOS Wired Controller Support	No	No



FortiClient

Introducing FortiClient



Endpoint Security & Control

Comprehensive end-point protection & security enforcement

Multifunctional Host Security

- Flexibility in deployment
- Fully integrated features, reduce needs for multiple client solutions

End Point Control

- Enforce compliance and security policies on mobile hosts

Centralized Logging and Reporting

- Via FortiGate for enterprise requirements



FortiClient V5.0.5



	Windows	Mac OSX	iOS	Android
IPSec VPN	✓	✓	-	✓
SSL VPN	✓	✓	Web Mode Only	✓
2FA	✓	✓	✓	✓
Anti-Virus	✓	✓	-	-
Web Filtering	✓	✓	✓	✓
WAN Optimization	✓	-	-	-
Registered for Central Management				
Config Provisioning	✓	✓	✓	✓
Logging (to FMGR/FAZ)	✓	✓	-	-
Windows AD SSO Agent	✓	-	-	-
Application Firewall	✓	✓	-	-
Vulnerability Scanning & Reporting	✓	✓	-	-
Custom Install	✓	✓	-	-



FortiToken

Introducing FortiToken



2 factor Authentication Token

Oath Compliant Time Based Hardware One Time Password Token

Supports Strong Authentication

- IPSEC VPN
- SSL VPN
- Administrative Login
- Captive Web Portal
- 802.1x Authentication
- Web Application Access
- SSO

Authentication Platforms

- FortiGate (FOS4.3 and later)
- FortiAuthenticator (FAC 1.4 and later)

Secure Seed Delivery Options

- Online Via FortiGuard
- Encrypted file on CD (FTK-200S)
- In-house Seed Provisioning Tool (special order)



Introducing FortiToken Mobile



2 factor Authentication Token on Mobile Devices

Oath Compliant Time Based Hardware One Time Password Soft Token

Highly Secure

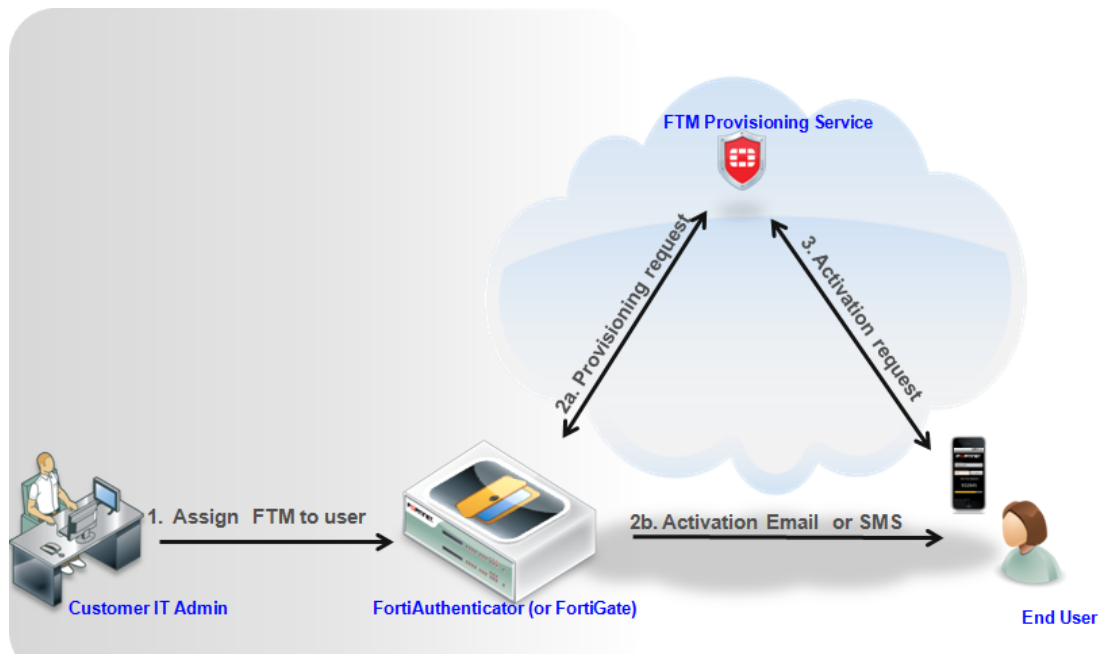
- Pin Protected App
- Device Binding
- Brute Force Protection
- Dynamic Seed Generation
- Encrypted Seed Storage

Authentication Platforms

- FortiGate (FOS5.0 Beta 5 and later)
- FortiAuthenticator (FAC 1.4 and later)

Broad Device Support

- iOS (iPhone, iPad, iPod Touch)
- Android
- BlackBerry (TBD)





FortiAnalyzer

Introducing FortiAnalyzer



Centralized Reporting & Analysis

Logging, reporting and analysis from multiple Fortinet devices

Aggregated Logging

- Singular View of all Fortinet Devices
- Built-in Content Archiving
- Malicious File Quarantine

Centralized Reporting

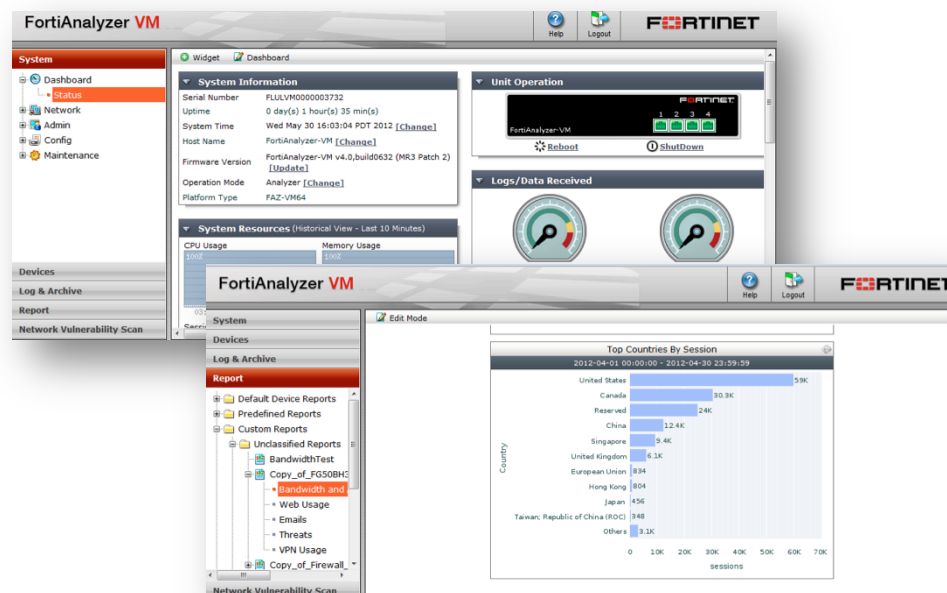
- Predefined Summary & Device Reports
- Hundreds of Customizable Charts & Graphs

Analysis & Event Correlation

- Vulnerability Assessment
- Network & Log Analysis

Scalable Solution

- Hardware and VM Versions Available
- Collector/Analyzer Modes for Large Deployments
- High Performance Logs/Sec Processing
- Support for Internal or External SQL Databases



FortiAnalyzer Series



	FAZ-200D	FAZ-300D	FAZ-1000D	FAZ-2000B	FAZ-3000D	FAZ-4000B
GB/Day	5	15	25	75	250	Unlimited*
Sessions/Day	18 Mil	55 Mil	85 Mil	260 Mil	850 Mil	Unlimited*
Max Log rate	350	625	1,000	3,000	10,000	Unlimited*
Max. Devices/ ADOMs	150	200	2,000	2,000	2,000	2,000
10/100/100 ports	4	4	4	6	4	2
1 GE SFP	-	-	-	-	2	2
Storage capacity	1x 1 TB	2x 2 TB	4x 2TB	2x 2TB (12 TB Max)	8x 2TB	6x 1TB (24 TB Max)
RAID support	No	Yes (mirrored)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	Yes, (RAID 0, 1, 5, 10, 50)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)

FortiAnalyzer-VM Series



FortiAnalyzer	FAZ-VM-BASE	FAZ-VM-GB1	FAZ-VM-GB5	FAZ-VM-GB25	FAZ-VM-GB100
GB/Day	1	+1	+5	+25	+100
Sessions/Day	3.5 Mil	3.5 Mil	18 Mil	85 Mil	360 Mil
Max Log rate	-	-	-	-	-
Max. Devices/ ADOMs	10,000	10,000	10,000	10,000	10,000
Storage capacity	200 GB	+200 G	+1 TB	+ 8 TB	+16 TB
RAID Support	-	-	-	-	-



FortiManager

Introducing FortiManager



Centralized Management

Tools that effectively manage any size Fortinet security infrastructure, from a few to thousands of appliances

Administrative Domains (ADOMs)

- Enables the primary 'admin' to create Virtual Management Domains containing devices for other administrators to monitor and manage

Hierarchical Objects & Policy Management

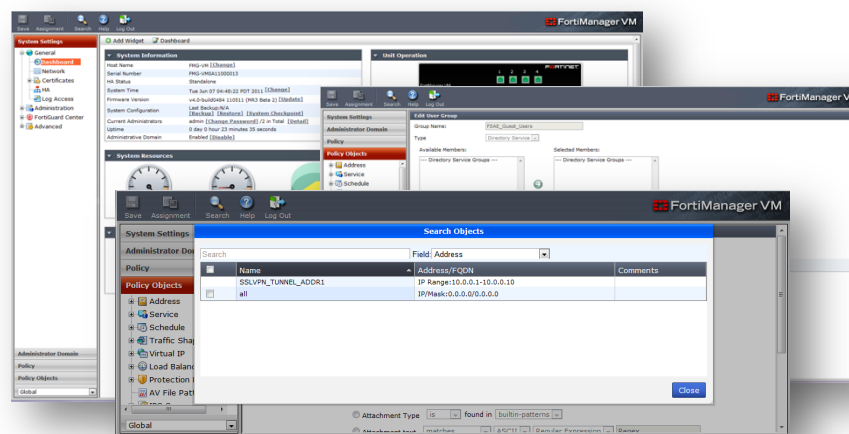
- Create Global Objects and Policies
- Assign to ADOM or groups of ADOMS
- Create device configuration templates to quickly configure a new Fortinet appliance

Web Portal SDK

- JSON-based API allows MSSPs to offer administrative web portals to customers

Locally Hosted Security Content

- Allows administrators better control over security content updates and provides improved response time for rating databases.
- Run a local copy of AV, IPS, URL, A/S signature databases.*



* Capabilities varied by Models

FortiManager Series



FortiManager	FMG-200D	FMG-300D	FMG-1000D	FMG-4000D	FMG-5001A
Max. Devices	30	300	1,000	4,000	4,000
Max. ADOMs	30	300	1,000	4,000	4,000
Max. Web Portals	-	-	1,000	4,000	4,000
Max. Portal Users	-	-	1,000	4,000	4,000
Interfaces	4x GE RJ45	4x GE RJ45	6x GE RJ45, 2x SFP	4x GE RJ45, 2x SFP	2x GE RJ45
Storage capacity	1x 1TB	2x 2TB	4x 2TB	8x 2TB	1x 80 GB
GB Logs/Day	2	2	2	2	2
Locally Hosted Security Content	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS

FortiManager-VM Series



FortiManager	FMG-VM-Base	FMG-VM-10-UG	FMG-VM-100-UG	FMG-VM-1000-UG	FMG-VM-5000-UG	FMG-VM-U-UG
Max. Devices	10	+10	+100	+1,000	+5,000	Unlimited
Max. ADOMs (default/Max)	10	+10	+100	+1,000	+5,000	Unlimited
Max. Web Portals	10	+10	+100	+1,000	+5,000	Unlimited
Max. Portal Users	10	+10	+100	+1,000	+5,000	Unlimited
GB Logs/day	1	2	5	10	25	50
Max. Virtual NICs (Min/Max)	1 / 4					
Storage capacity (Min/Max)	80 GB / 16 TB					



FortiSandbox

Introducing FortiSandbox



Defense against APTs & Unknown Threats

Advanced Threat Protection solution designed to identify and help customers thwart the highly targeted and tailored attacks that increasingly bypass traditional defenses and lurk within networks.

Advanced Threat Protection

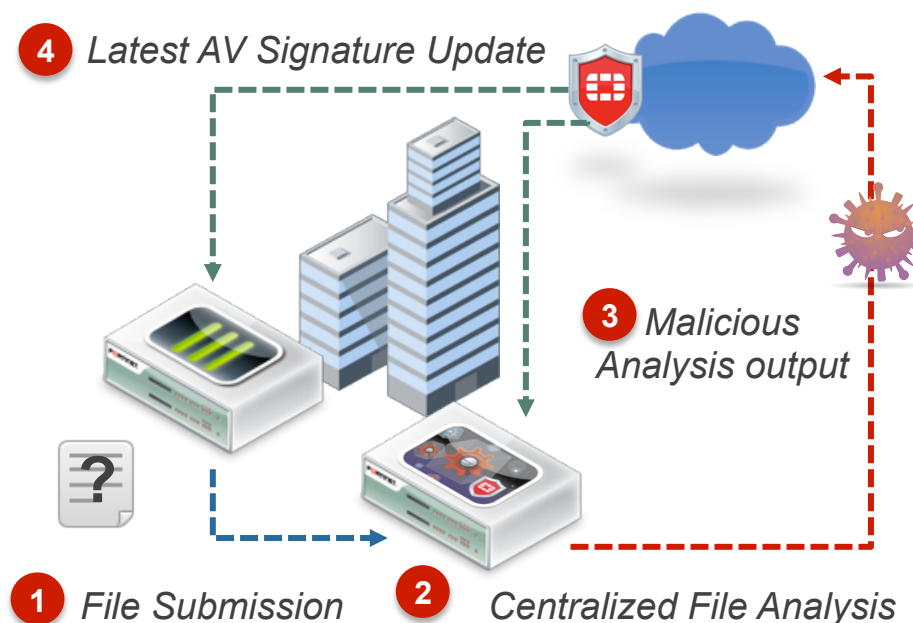
- Multi-layered filtering with Code Emulator, AV engine, Cloud query and Virtual OS sandbox
- Handles multiple file types, includes files that are encrypted or obfuscated
- Examine files from various protocols, included those that uses SSL encryption

Flexible Operation Modes

- Receives file sample using integration with FortiGate/FortiMail, sniffer mode and manual file uploads
- Capture files from remote locations using deployed FortiGates

Monitoring and Reporting

- Detailed analysis reports and real-time monitoring and alerting



FortiSandbox Series



FortiSandbox	FSC-3000D
Filers Per Day	Unlimited
Total Network Interfaces	4x GE RJ45 ports, 2x GbE SFP



FortiAuthenticator

Introducing FortiAuthenticator



Authentication Server

Identity Management, User Access Control and multi-factor identification

Authentication and Authorization

- RADIUS, LDAP, 802.1X

Two Factor Authentication

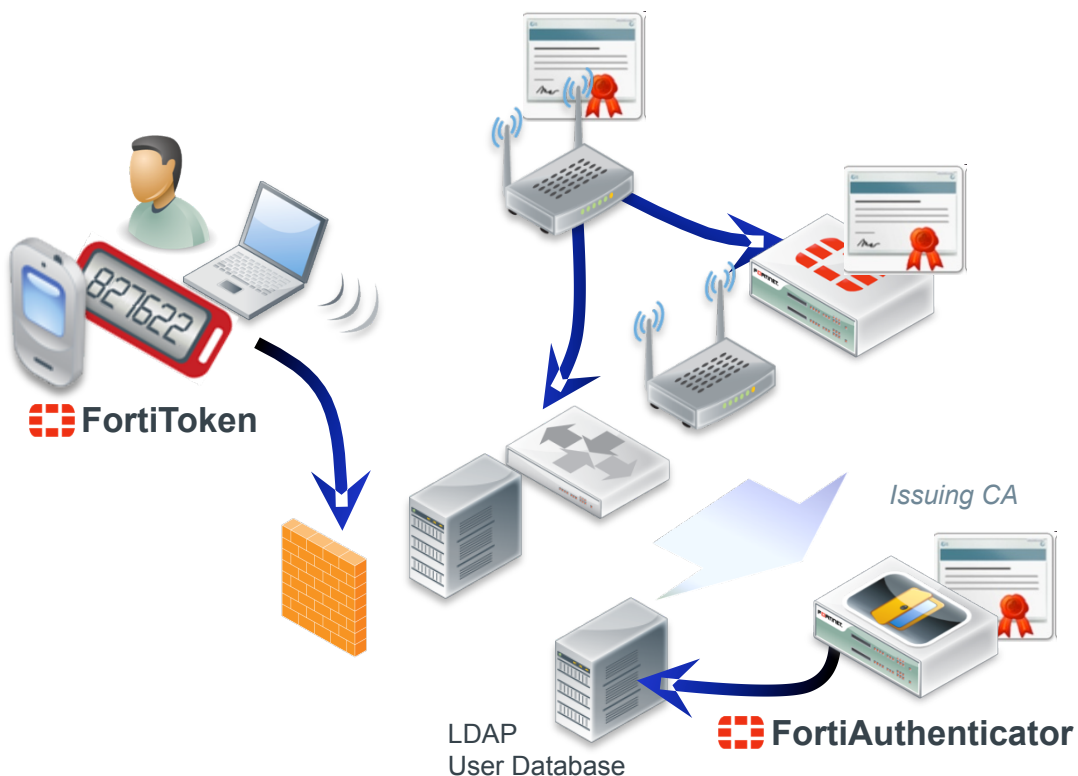
- FortiToken
- Tokenless, via SMS and email

Certificate Management

- X.509 Certificate Signing, Certificate Revocation
- Remote Device / Unattended Authentication

Fortinet Single Sign on

- Active Directory Polling
- RADIUS Integration



FortiAuthenticator Series



FortiAuthenticator	FAC-200D	FAC-400C	FAC-1000D	FAC-3000D
Max. Local Users	500	2,000	10,000	40,000
Max. Remote Users	500	2,000	10,000	40,000
Max. FortiTokens	500	2,000	10,000	40,000
Max. NAS Devices	50	200	1,000	4,000
Max. User Groups	25	50	2,000	4,000
Max. CA Certificates	10	10	50	50
Max. User Certificates	2,500	10,000	50,000	200,000
Interfaces	4x GE RJ45 Gbps	4x GE RJ45 Gbps, 2x GE SPF	4x GE RJ45 Gbps	4x GE RJ45 Gbps
Storage Capacity	1 x 1 TB	1 x 1 TB	2 x 2 TB	2 x 2 TB

FortiAuthenticator-VM Series



FortiAuthenticator	FAC-VM Base	FAC-VM-100-UG	FAC-VM-1000-UG	FAC-VM-10000-UG	FAC-VM-100000-UG
Max. Local Users	100	+100	+1,000	+10,000	+100,000
Max. Remote Users	100	+100	+1,000	+10,000	+100,000
Max. FortiTokens	200	+200	+2,000	+20,000	+200,000
Max. NAS Devices	10	+10	+100	+1,000	+10,000
Max. User Groups	10	+10	+100	+1,000	10,000
Max. CA Certificates	5	+5	+50	+500	+500
Max. User Certificates	100	+100	+1,000	+10,000	+100,000
Interfaces (Min/Max)	1 / 4				
Storage Capacity (Min Max)	60 GB / 2 TB				



FortiDDOS

Introducing FortiDDoS



Hardware Accelerated DDoS Defense Intent Based Protection

Rate Based Detection

- High performance protection using ASIC

Self Learning Baseline

- Ease Maintenance
- Maintain appropriate protection dynamically

Signature Free Defense

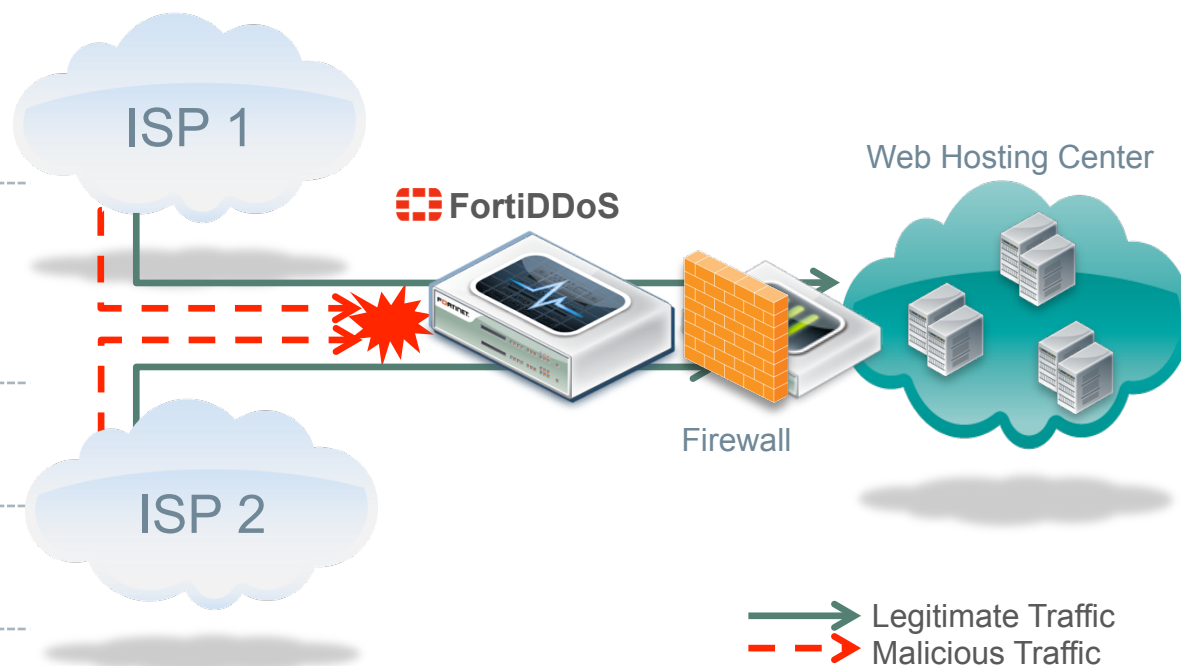
- Hardware based protection

Inline Full Transparent Mode

- No MAC address changes

Granular Protection

- Multiple thresholds to detect subtle changes and provide rapid mitigation



FortiDDoS Series



FortiDDoS	FDD-100A	FDD-200A	FDD-300A
Throughput (Full Duplex)	1 Gbps	2 Gbps	3 Gbps
Simultaneous Connections	1 Mil	2 Mil	3 Mil
Session Setup/Teardown	100,000 / Second	200,000 / Second	300,000 / Second
Latency	26 μ s	26 μ s	26 μ s
Virtual Instances	8	8	8
Interfaces	2 LAN Interfaces (Copper/SFP), 2 WAN Interfaces (Copper/SFP)	4 LAN Interfaces (Copper/SFP), 4 WAN Interfaces (Copper/SFP)	6 LAN Interfaces (Copper/SFP), 6 WAN Interfaces (Copper/SFP)
Storage Capacity (Min Max)	1x 1TB	2x 1TB	2x 1TB
RAID Support	No	Yes	Yes



FortiMail

Introducing FortiMail



Messaging Security

Advanced antispam and antivirus filtering capabilities, with extensive quarantine and archiving capabilities.

Specialized messaging security system

- Advanced, bi-directional filtering prevents spread of spam, viruses, phishing, worms, and spyware

Flexible deployment options

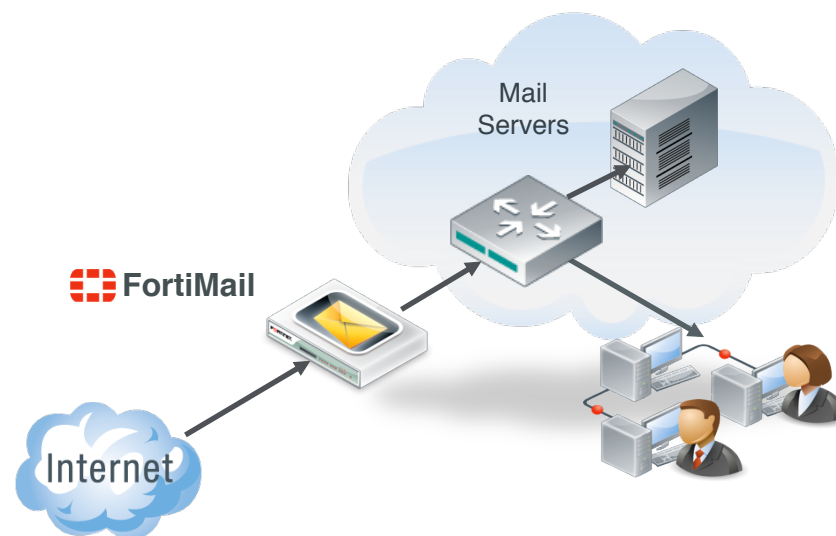
- Transparent, Gateway, and Server modes that adapts to organizational needs and budget

Identity based encryption

- Secure, encrypted communication

Email archiving

- On-box archiving facilitates policy and regulatory compliance requirements



FortiMail Series



FortiMail	FML-200D	FML-400C	FML-1000D	FMG-3000D	FAZ-5002B
Email Domains	50	500	5,000	5,000	10,000
Server Mode Mailboxes	200	1,000	3,000	3,000	3,000
Email Routing (Msg/hr, 3KB)	200,000	400,000	1.7 Mil	2.3 Mil	2.3 Mil
FortiGuard Antispam+AV (Msg/hr, 3KB)	175,000	320,000	1.3 Mil	2.0 Mil	2.0 Mil
GE RJ45 ports	4	4	6	4	3
GE SFP Slots	-	-	2	2	-
Storage capacity	1x 1TB	2x 1TB	2x 2TB	2x 2TB (Opt. 12TB)	1x 146GB
Form Factor	Desktop	Rack mount, 1RU	Rack Mount, 2RU	Rack Mount, 2RU	ATCA Blade

FortiMail-VM Series



FortiMail	FML-VM01	FML-VM02	FML-VM04	FMG-VM08
Email Domains	50	500	5,000	5,000
Server Mode Mailboxes	200	1,000	3,000	3,000
Email Routing (Msg/hr, 3KB)	90,000	265,000	1.32 Mil	1.76 Mil
FortiGuard Antispam+AV (Msg/hr, 3KB)	77,000	185,000	1.05 Mil	1.4 Mil
Max vCPU supported	1	2	4	8
Max vNICs	4	4	4	4
Storage capacity (Min/Max)	50 GB / 1 TB	50 GB / 2 TB	50 GB / 4 TB	50 GB / 8 TB
Memory required (Min/Max)	1 GB / 2 GB	1 GB / 4 GB	1 GB / 8 GB	1 GB / 16 GB



FortiWeb

Introducing FortiWeb



Web Application Security

Web application firewall to protect, balance, and accelerate web applications.

Web Application Firewall

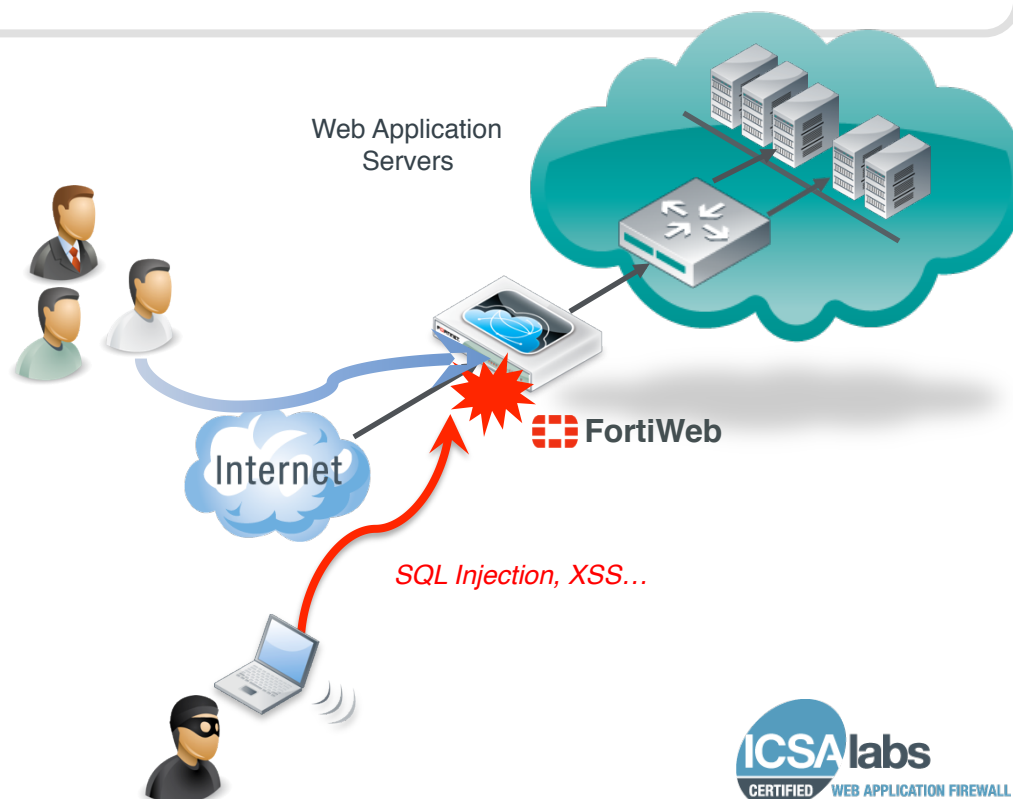
- Aids in PCI DSS 6.6 compliance
- Protection against OWASP Top 10
- Application layer DDoS protection
- Auto Learn security profiles
- Geo IP data analysis and security

Web Vulnerability Scanner

- Scans, analyzes and detects web application vulnerabilities

Application Delivery

- Assures availability and accelerates performance of critical web applications



FortiWeb Series



FortiWeb	FWB-400C	FWB-1000D	FWB-3000D/ Fsx	FWB-4000D
Throughput	100 Mbps	500 Mbps	1.5 Gbps	4 Gbps
Latency	Sub-ms	Sub-ms	Sub-ms	Sub-ms
GE RJ45 ports	4	2 + 4 Bypass	4 + 2 Bypass	6 + 2 Bypass
GE SX ports	-	2	2 (FWB-3000C- FSX)	2 Bypass
Storage capacity	1x 1 TB	1x 1 TB	2x 2 TB	2x 2 TB
Form Factor	Rack mount, 1RU	Rack Mount, 2RU	Rack Mount, 2RU	Rack Mount, 2RU

FortiWeb-VM Series



FortiWeb	FWB-VM02	FWB-VM04	FWB-VM08
Throughput	100 Mbps	500 Mbps	1 Gbps
Max HTTP transactions / Sec	8,000	24,000	36,000
Max vCPU Supported	2	4	8
Memory required (Min)	1 GB		
Storage capacity (Min)	40 GB		



FortiDB

Introducing FortiDB



Database Security and Compliance

Database Activity Monitoring and Vulnerability Assessment solution that allows quick and easy implementation of internal IT control frameworks for database activity monitoring, IT audit and regulatory compliance

Database Activity Monitoring (DAM)

- Real-time monitoring of key users and critical transactions
- User Activity Base lining
- Block database attacks in real time

Vulnerability Assessment

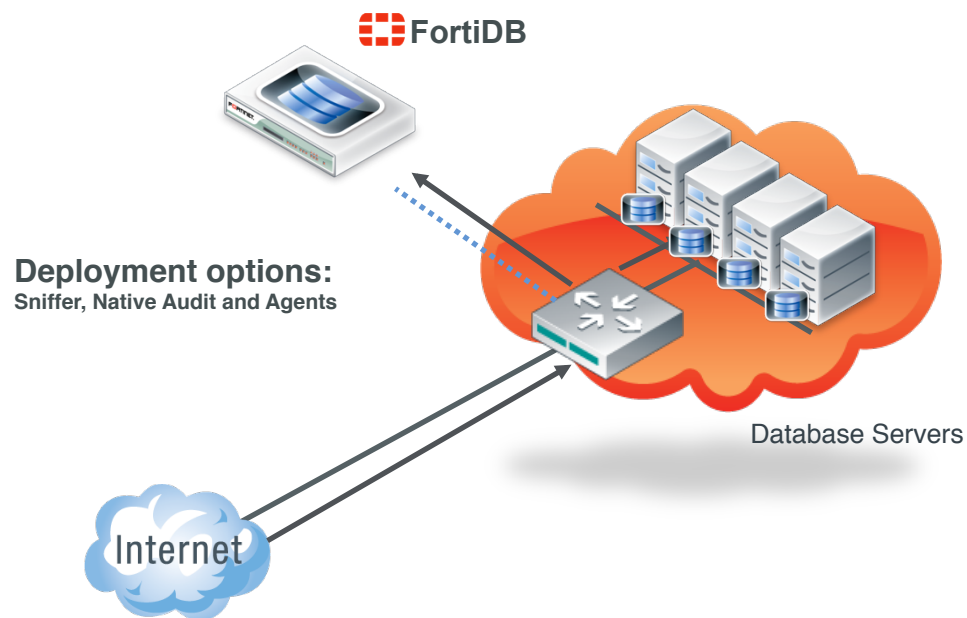
- Sensitive data discovery in databases
- Vulnerability scanning with remediation advice

Policy Driven Controls

- Automated process of establishing IT controls

Database Audit and Compliance

- For compliance and forensics analysis purpose



FortiDB Series



	#Licensed DB Instances	DB Supported
FortiDB 400B	10	DB2 UDB V8 (VA only), DB2 UDB V9.x (VA only), DB2 UDB V9.5 MS SQL Server 2000, MS SQL Server 2005, MS SQL Server 2008 Oracle 10 gR1 (VA only), Oracle 10gR2, Oracle 11g Sybase ASE 12.5 (VA only), Sybase ASE 15.x, MySQL 5.1
FortiDB 1000D	30	
FortiDB 2000B	60	



FortiBalancer & FortiADC

Introducing FortiBalancer, FortiADC & AscenLink



Application Delivery Controllers & Link LB

Optimize the availability, user experience, performance and scalability of mobile, cloud and enterprise application delivery from anywhere-to-anywhere.

Application Availability

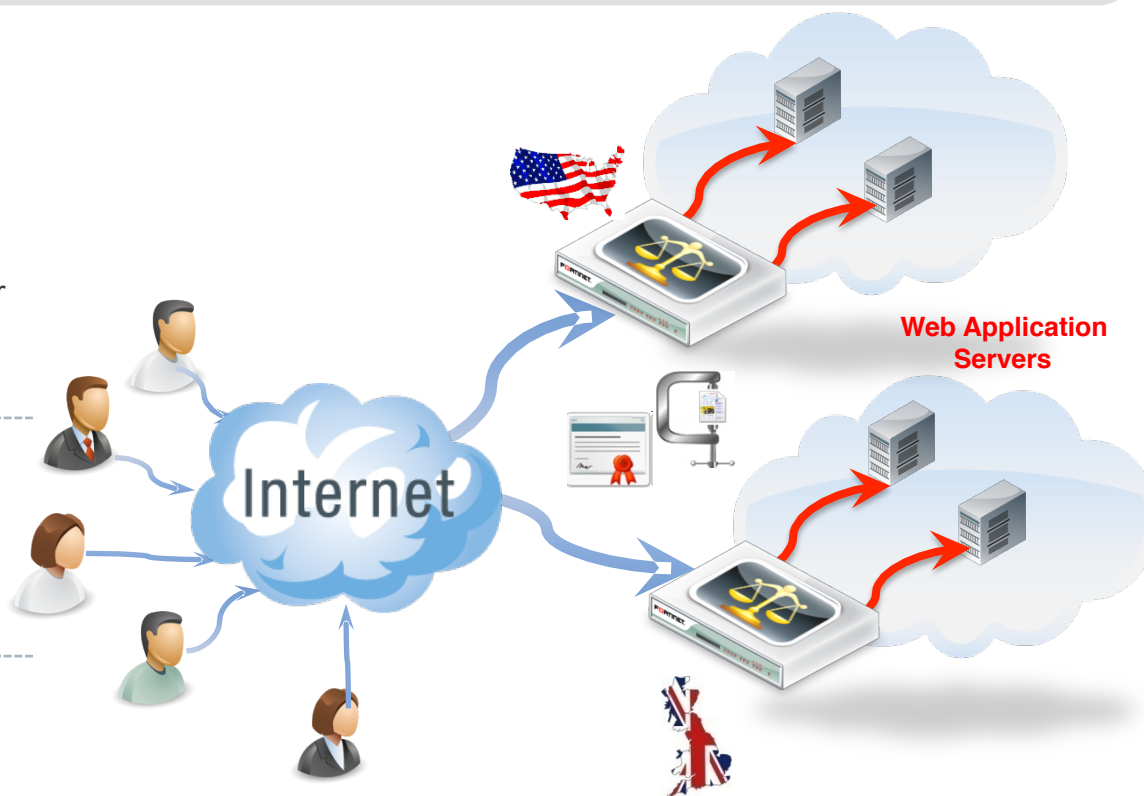
- Layer 2/3/4 and 7 load balancing techniques
- Application session persistence
- Proxy and transparent modes
- Global Server Load Balancing (GSLB) for geographic resilience
- Link Load Balancing

Application Acceleration

- TCP Optimization
- Memory based content caching
- Data compression
- SSL Offload and acceleration

Application Interoperability

- Implementation Guides for Microsoft Exchange, Lync, SAP etc.



FortiBalancer / FortiADC Series



FortiBalancer	FBL-400	FBL-1000	FBL-2000	FBL-3000
Throughput	2 Gbps	4 Gbps	10 Gbps	30 Gbps
Total Interfaces	4x GE RJ45	8x GE RJ45, 2x GE SFP	12x GE RJ45, 4x GE SFP	4x 10GE, 16x GE RJ45, 4x GE SFP
Power Supply	Single	Single/Dual	Dual	Dual
OS	Array Networks OEM	Array Networks OEM	Array Networks OEM	Array Networks OEM

FortiADC	FAD-200D	FAD-300E	FAD-600E	FAD-1000E
Throughput	2.7 Gbps	4.8 Gbps	10 Gbps	13 Gbps
Total Interfaces	4x GE RJ45	6x GE RJ45	2x 10 GbE SFP+, 8x GE ports	2x 10 GbE SFP+, 8x GE ports
Power Supply	Single	Single	Single	Dual
OS	FortiADC	Coyote Point rebranded	Coyote Point rebranded	Coyote Point rebranded

AscenLink Series



AscenLink	AL-700 Series	AL-5000 Series	AL-6000 Series
WAN Bandwidth	20-200 Mbps*	300 Mbps – 1 Gbps*	1–3 Gbps*
WAN Links	25	50	50
Network Interfaces	4x GE, 1x 100 FE	6x GE, 4x GE SFP	8x GE, 8x GE SFP



FortiCache

Introducing FortiCache



Web Caching Appliance

Reduce the cost and impact of downloaded content, while increasing performance and end-user satisfaction by improving the speed of access

Web Content Caching

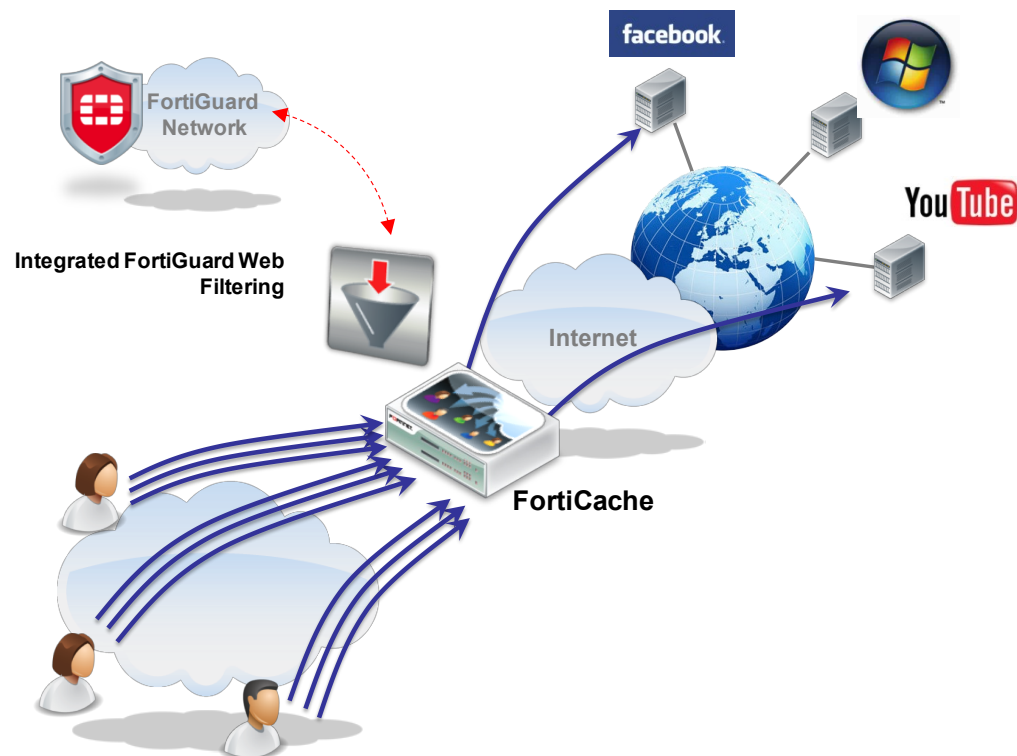
- High performance content caching
- Explicit or Transparent proxy cache
- FortiGuard Web Filtering

Video Caching

- Broad CDN Support
- Detects same video ID when content comes from different CDN hosts
- Supports seek forwards and backwards in video, detects preceding adverts

WAN Optimization

- Bandwidth optimisation across congested WAN Links
- Interoperates with FortiGate



FortiCache Series



	FCH-400C	FCH-1000D	FCH-3000C	FCH-3000D
Throughput	80Mbps	200 Mbps	500 Mbps	800 Mbps
Total Interfaces	4x GE RJ45	2x GE RJ45, 2x GE SFP, 4x GE bypass	4x GE RJ45, 2x GE SFP	4x GE RJ45, 2x GE SFP, 2x GE bypass
Storage Capacity	1 TB	8 TB	4x 1 TB (6 TB Max)	4x 2 TB (16 TB Max)



FortiDNS

Introducing FortiDNS



Secure Caching DNS Server

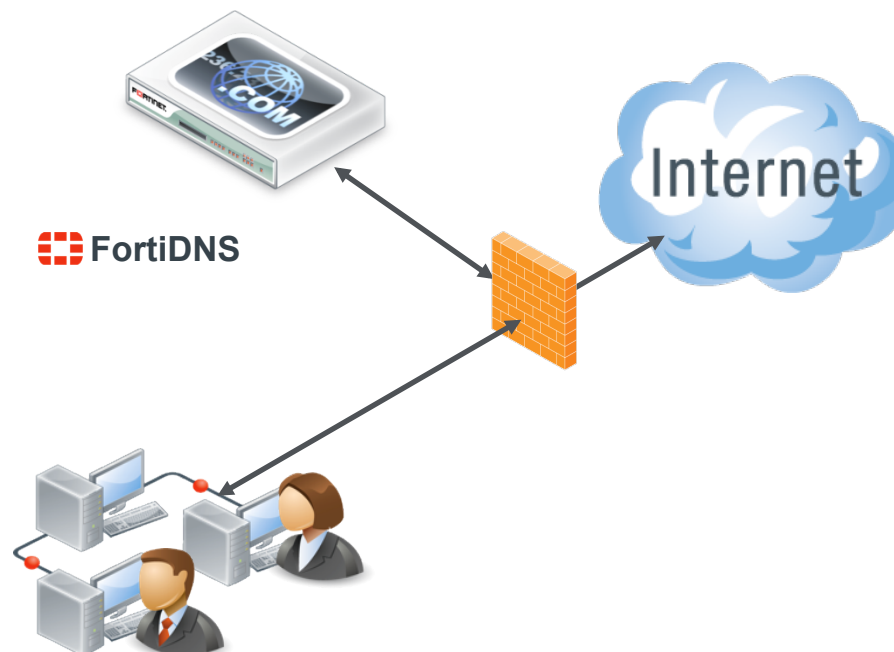
Robust caching DNS server that improves security and performance

Secure Caching DNS

- High performance caching DNS server with focus on DNS Security
 - Randomised Transaction ID
 - UDP Source Port Randomization
 - Case Query Randomisation
 - Active spoofing detection switches user to TCP when under threat.
 - Discard unsolicited answers
- Limit per user resources (queries per second) to prevent DoS
- Monitor top users and blacklist
- Futureproof with support for DNSSEC and IPv6

DHCP Server

- High performance DHCP server with resource friendly high availability



FortiDNS Series



















































FortiDNS	FNS-400C	FNS-3000D
Total Interfaces	4x GE RJ45	4x GE RJ45 2x GE SFP
Max Queries per Second	30,000	100,000
Max DNS Clients	10,000	10,000
Max DHCP leases per sec	250	450
Storage Capacity	1x 1TB	2x 2TB



Other Information

Virtual Appliance Platforms



Virtual Appliance 	VMware				Citrix		Open Source		Amazon	Microsoft	
	vSphere v4.0	vSphere v4.1	vSphere v5.0	vSphere v5.1	Xen Server v5.6 SP2	Xen Server v6.0	Xen	KVM	AWS	Hyper-V 2008 R2	Hyper-V 2012
FortiGate-VM											
FortiManager-VM											
FortiAnalyzer-VM											
FortiWeb-VM											
FortiMail-VM											
FortiAuthenticator-VM											
FortiADC-VM											
FortiCache-VM											

Change Log



April 2013

- Hide Mention of storage on desktop models
- Adds Console type on some models

June 2013

- Add new FAP, FSW, FAD, FAZ, FMG
- Update on V5.0.3

July 2013

- Adds FGT positioning
- Adds FSW 448B
- Adds new models for FCH, FNS, FSC

July 2013

- Revise Max AP values
- Add FAC 3000D

October 2013

- Adds FML/FWB 1000D
- Correct minor mistakes on FAZ/FMG values

Nov 2013

- Adds FAZ/FMG 1000D
- Adds 3700D

Dec 2013

- Adds VM Matrix
- Adds 1500D
- Adds FortiSandbox
- Revises 3950B, 3700D specs
- EoL Fxx 1000C series, add new 1000D

Jan 2014

- Adds new connected UTM products
- Remove products – FXX-1000C, FortiScan

Jan 2014

- Update DC versions for 600C, 8000C, 1000C
- Correct Power adapter table for FortiAPs